

Peptide Array, Human Coronavirus OC43 (HCoV-OC43) Spike (S) Protein

Catalog No. NR-3011

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Contributor:

NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH

Product Description:

The 226-peptide array spans the spike (S) protein of human coronavirus OC43 (HCoV-OC43) (GenPept: NP_937950).¹ Peptides are 17- or 18-mers, with 11 amino acid overlaps. Please see Table 1 for length and sequence of individual peptides.

Material Provided:

Peptides are provided lyophilized at 1 mg per vial.

Packaging/Storage:

Lyophilized peptides should be placed in a closed dry environment with dessicants and stored at -20°C or colder immediately upon arrival. A frost-free freezer should be avoided, since changes in moisture and temperature may affect peptide stability.

Solubility:

Solubility may vary based on the amino acid content of the individual peptide (see Table 2). Peptides can almost always be dissolved in 100% DMSO.

Reconstitution:

Lyophilized peptides should be warmed to room temperature for 1 hour prior to reconstitution. They should be dissolved at the highest possible concentration, and then diluted with water or buffer to the working concentration. Buffer should be added only after the peptide is completely in solution because salts may cause aggregation.

The most common dissolution process is 1 mg of peptide in 1 mL of sterile, distilled water or 1 mL of 100% DMSO. The DMSO can be slowly diluted to a lower concentration with aqueous medium. Care must be taken to ensure that the peptide does not begin to precipitate out of solution. For cell-based assays, 0.5% DMSO in medium is usually well-tolerated.

Sonication and/or the addition of small amounts of dilute (10%) aqueous acetic acid for basic peptides, aqueous ammonia for acidic peptides or acetonitrile may also help

dissolution (see Table 2). These solvents may not be appropriate for certain applications, including cell-based assays.

Storage of Reconstituted Peptides:

The shelf life of peptides in solution is very limited, especially for sequences containing cysteine, methionine, tryptophan, asparagine, glutamine, and N-terminal glutamic acid. In general, peptides may be aliquoted and stored in solution for a few days at -20°C or colder. For long-term storage, peptides should be re-lyophilized and stored at -20°C or colder. If long-term storage in solution is unavoidable, peptide solutions should be buffered to pH 5–6, aliquoted and stored at -20°C or colder. Freeze-thaw cycles should be avoided.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Peptide Array, Human Coronavirus OC43 (HCoV-OC43) Spike (S) Protein, NR-3011."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm.

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References:

1. Vijgen, L., et al. "Complete Genomic Sequence of Human Coronavirus OC43: Molecular Clock Analysis Suggests a Relatively Recent Zoonotic Coronavirus Transmission Event." *J. Virol.* 79 (2005): 1595–1604. PubMed: 15650185. GenPept: NP_937950.

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Table 1		
Peptide	Length	Sequence
1 of 226	17	1 MFLILLISLPTAFVIG 17
2 of 226	17	7 ISLPTAFVIGDLKCTS 23
3 of 226	17	13 FAVIGDLKCTSDTSYIN 29
4 of 226	17	19 LKCTSDTSYINDKDTGP 35
5 of 226	17	25 TSYINDKDTGPPPISTD 41
6 of 226	17	31 KDTGPPPISTDVTDVTN 47
7 of 226	17	37 PISTDVTVDVTNGLGTY 53
8 of 226	17	43 VDVTNGLGTYVLDREV 59
9 of 226	17	49 LGTYVLDREVLTNTL 65
10 of 226	17	55 LDRVLTNTLFLNGYYP 71
11 of 226	17	61 NTLFLNGYYPSTSGSTY 77
12 of 226	17	67 NGYYPSTSGSTYRNMAL 83
13 of 226	17	73 SGSTYRNMALKGSVLLS 89
14 of 226	17	79 NMALKGSVLLSRLWFKP 95
15 of 226	17	85 SVLLSRLWFKPPFLSDF 101
16 of 226	17	91 LWFKPPFLSDFINGIFA 107
17 of 226	17	97 FLSDFINGIFAKVKNTK 113
18 of 226	17	103 NGIFAKVKNTKVIKDR 119
19 of 226	17	109 VKNTKVIKDRVMYSEFP 125
20 of 226	17	115 IKDRVMYSEFPITIGS 131
21 of 226	17	121 YSEFPITIGSTFVNTS 137
22 of 226	17	127 ITIGSTFVNTSYSVVVQ 143
23 of 226	17	133 FVNTSYSVVVQPRINS 149
24 of 226	17	139 SVVVQPRINSTQDGYN 155
25 of 226	17	145 RTINSTQDGYNKLQGL 161
26 of 226	17	150 TQDGYNKLQGLLEVSVC 166
27 of 226	17	156 KLQGLLEVSVCQYNMCE 172
28 of 226	17	162 EVSVCQYNMCEYPQTIC 178
29 of 226	17	168 YNMCEYPQTICHPNLGN 184
30 of 226	17	174 PQTICHPNLGNHRKELW 190
31 of 226	17	180 PNLGNHRKELWHLDTGV 196
32 of 226	17	186 RKELWHLDTGVVSCLYK 202
33 of 226	17	192 LDTGVVSCLYKRNFTYD 208

Table 1		
Peptide	Length	Sequence
34 of 226	17	198 SCLYKRNFTYDVNADYL 214
35 of 226	17	204 NFTYDVNADYLYFHFYQ 220
36 of 226	17	210 NADYLYFHFYQEGGTFY 226
37 of 226	17	216 FHFYQEGGTFYAYFTDT 232
38 of 226	17	222 GGTFYAYFTDTGVVTKF 238
39 of 226	17	228 YFTDTGVVTKFLFNVYL 244
40 of 226	17	234 VVTKFLFNVYLGMAISH 250
41 of 226	17	240 FNVYLGMAISHYYVMPL 256
42 of 226	17	246 MALSHYYVMPLTCNSKV 262
43 of 226	17	252 YVMPLTCNSKVKNFTL 268
44 of 226	17	258 CNSKVKNFTLEYWVTP 274
45 of 226	17	264 NGFTLEYWVTPPLTSRQY 280
46 of 226	17	270 YWVTPPLTSRQYLLAFNQ 286
47 of 226	17	276 TSRQYLLAFNQDGIIFN 292
48 of 226	17	282 LAFNQDGIIFNAVDCMS 298
49 of 226	17	288 GIIFNAVDCMSDFMSEI 304
50 of 226	17	294 VDCMSDFMSEIKCKTQS 310
51 of 226	17	300 FMSEIKCKTQSIAPPTG 316
52 of 226	17	306 CKTQSIAPPTGVYELNG 322
53 of 226	17	312 APPTGVYELNGYTVQPI 328
54 of 226	17	318 YELNGYTVQPIADVYRR 334
55 of 226	17	324 TVQPIADVYRRKLNLPN 340
56 of 226	17	330 DVYRRKLNLPNCNIEAW 346
57 of 226	17	336 LNLPCNIEAWLNDKSV 352
58 of 226	17	342 NIEAWLNDKSVPSPLNW 358
59 of 226	17	348 NDKSVPSPLNWERKTFS 364
60 of 226	17	354 SPLNWERKTFSNCFNM 370
61 of 226	17	360 RKTFSNCFNMSSLMSF 376
62 of 226	17	366 CNFMSSLMSFIQADSF 382
63 of 226	17	372 SLMSFIQADSFTCNNID 388
64 of 226	17	377 IQADSFTCNNIDAAKIY 393
65 of 226	17	383 TCNNIDAAKIYGMCFSS 399
66 of 226	17	389 AAKIYGMCFSSITIDKF 405
67 of 226	17	395 MCFSSITIDKFAIPNGR 411
68 of 226	17	401 TIDKFAIPNGRKVDLQL 417
69 of 226	17	407 IPNGRKVDLQLGNLGYL 423
70 of 226	17	413 VDLQLGNLGYLQSFNYR 429
71 of 226	17	419 NLGYLQSFNYRIDTTAT 435
72 of 226	17	425 SFNYRIDTTATSCQLYY 441
73 of 226	17	431 DTTATSCQLYYNLPAN 447
74 of 226	17	437 CQLYYNLPANVSVSRF 453
75 of 226	17	443 LPAANVSVSRFNPSTWN 459
76 of 226	17	449 SVSRFNPSTWNKRFGFI 465
77 of 226	17	455 PSTWNKRFGFIEDSVFK 471
78 of 226	17	461 RFGFIEDSVFKPRPAGV 477
79 of 226	17	467 DSVFKPRPAGVLTNHDV 483
80 of 226	17	473 RPAGVLTNHDVVYAQHC 489
81 of 226	17	479 TNHDVVYAQHCFKAPKN 495

Table 1		
Peptide	Length	Sequence
82 of 226	17	485 YAQHCFKAPKNFCPCKL 501
83 of 226	17	491 KAPKNFCPCKLNGSCVG 507
84 of 226	17	497 CPCKLNGSCVSGPGKN 513
85 of 226	17	503 GSCVSGPGKNNIGITC 519
86 of 226	17	509 GPGKNNIGITCPAGTNY 525
87 of 226	17	515 GIGTCPAGTNYLTCDNL 531
88 of 226	17	521 AGTNYLTCDNLCTPDI 537
89 of 226	17	527 TCDNLCTPDPITFKATG 543
90 of 226	17	533 TPDPITFKATGTYKCPQ 549
91 of 226	17	539 FKATGTYKCPQTKSLVG 555
92 of 226	17	545 YKCPQTKSLVGIGEHCS 561
93 of 226	17	551 KSLVGIGEHCSGLAVKS 567
94 of 226	17	557 GEHCSGLAVKSDYCGGN 573
95 of 226	17	563 LAVKSDYCGGNSCTCRP 579
96 of 226	17	569 YCGGNSCTCRPQAFLGW 585
97 of 226	17	575 CTCRPQAFLGWSADSCL 591
98 of 226	17	581 AFLGWSADSCLQGDKCN 597
99 of 226	17	587 ADSCLQGDKCNIFANFI 603
100 of 226	17	593 GDKCNIFANFILHDVNS 609
101 of 226	17	599 FANFILHDVNSGLTCST 615
102 of 226	17	605 HDVNSGLTCSTDLQKAN 621
103 of 226	17	611 LTCSTDLQKANTDIILG 627
104 of 226	17	617 LQKANTDIILGVCVNYD 633
105 of 226	17	623 DIILGVCVNYDLYGILG 639
106 of 226	17	629 CVNYDLYGILGQGIFVE 645
107 of 226	17	635 YGILGQGIFVEVNATYY 651
108 of 226	17	641 GIFVEVNATYYNSWQNL 657
109 of 226	17	647 NATYYNSWQNLLYDSNG 663
110 of 226	17	653 SWQNLLYDSNGNLYGFR 669
111 of 226	17	659 YDSNGNLYGFRDYITNR 675
112 of 226	17	665 YGFRDYITNRTFMIRS 681
113 of 226	17	671 YITNRTFMIRSCYSGRV 687
114 of 226	17	677 FMIRSCYSGRVSAAFHA 693
115 of 226	17	683 YSGRVSAAFHANSSEPA 699
116 of 226	17	689 AAFHANSSEPALLFRNI 705
117 of 226	17	695 SSEPALLFRNIKNYVF 711
118 of 226	17	701 LFRNIKNYVFNNLSLTR 717
119 of 226	17	707 CNYVFNNLSLTRQLQPIN 723
120 of 226	17	713 NSLTRQLQPINYFDSYL 729
121 of 226	17	719 LQPINYFDSYLGCVVNA 735
122 of 226	17	725 FDSYLGCVVNAYNSTAI 741
123 of 226	17	731 CVVNAYNSTAISVQTCD 747
124 of 226	17	737 NSTAISVQTCDLTVGSG 753
125 of 226	17	743 VQTCDLTVGSGYCVDS 759
126 of 226	17	749 TVGSGYCVDSKRRSR 765
127 of 226	17	755 CVDYSKRRSRGAIITG 771
128 of 226	17	761 NRRSRGAIITGYRFTNF 777
129 of 226	17	767 AITGYRFTNFEPFTVN 783

Table 1		
Peptide	Length	Sequence
130 of 226	17	773 RFTNFEPFTVNSVNDL 789
131 of 226	17	779 PFTVNSVNDLEPVGGL 795
132 of 226	17	785 VNDLEPVGGLYEIQIP 801
133 of 226	17	791 PVGGLYEIQIPSEFTIG 807
134 of 226	17	797 EIQIPSEFTIGNMEEFI 813
135 of 226	17	803 EFTIGNMEEFIQTSSPK 819
136 of 226	17	809 MEEFIQTSSPKVTIDCA 825
137 of 226	17	815 TSSPKVTIDCAAFVCGD 831
138 of 226	17	821 TIDCAAFVCGDYAACKS 837
139 of 226	17	827 FVCGDYAACKSQLVEYG 843
140 of 226	17	833 AACKSQLVEYGSFCDNI 849
141 of 226	17	839 LVEYGSFCDNINAILTE 855
142 of 226	17	845 FCDNINAILTEVNELL 861
143 of 226	17	851 AILTEVNELLDTTQLQV 867
144 of 226	17	857 NELLDTTQLQVANSLMN 873
145 of 226	17	863 TQLQVANSLMNGVTLST 879
146 of 226	17	869 NSLMNGVTLSTKLKDG 885
147 of 226	17	875 VTLSTKLKDG VNFVDD 891
148 of 226	17	881 LKDG VNFVDDINFSPV 897
149 of 226	17	887 FNVDDINFSPV LGCLGS 903
150 of 226	17	893 NFSPV LGCLGSECSKAS 909
151 of 226	17	899 GCLGSECSKASSRSAIE 915
152 of 226	17	905 CSKASSRSAIEDLLFDK 921
153 of 226	17	911 RSAIEDLLFDKVKLSDV 927
154 of 226	17	917 LLDKVKLSDVGFVEAY 933
155 of 226	17	923 KLDVGFVEAYNNCTGG 939
156 of 226	17	929 FVEAYNNCTGGAEIRDL 945
157 of 226	17	935 NCTGGAEIRDLICVQSY 951
158 of 226	17	941 EIRDLICVQSYKGIVL 957
159 of 226	17	947 CVQSYKGIVLPPLLSE 963
160 of 226	17	953 GIVLPPLLSENQISGY 969
161 of 226	17	959 PLLSENQISGYTLAATS 975
162 of 226	17	964 NQISGYTLAATSASLFP 980
163 of 226	17	970 TLAATSASLFP LW TAAA 986
164 of 226	17	976 ASLFP LW TAAAGVPFYL 992
165 of 226	17	982 WTAAAGVPFYL NVQYRI 998
166 of 226	17	988 VPFYL NVQYRING LGVT 1004
167 of 226	17	994 VQYRING LGVTMDVLSQ 1010
168 of 226	17	1000 GLGVTMDVLSQNQKLI 1016
169 of 226	17	1006 DVLSQNQKLIANAFNNA 1022
170 of 226	17	1011 NQKLIANAFNNALYAIQ 1027
171 of 226	17	1017 NAFNNALYAIQEGFDAT 1033
172 of 226	17	1023 LYAIQEGFDATNSALVK 1039
173 of 226	17	1029 GFDATNSALVKIQAVVN 1045
174 of 226	17	1035 SALVKIQAVVNANAEAL 1051
175 of 226	17	1040 IQAVVNANAEALNLLQ 1056
176 of 226	17	1046 ANAEALNLLQLSNRF 1062

Table 1		
Peptide	Length	Sequence
177 of 226	17	1052 NNLLQQLSNRFGAISAS 1068
178 of 226	17	1058 LSNRFGAISASLQEILS 1074
179 of 226	17	1064 AISASLQEILSRLDALE 1080
180 of 226	17	1069 LQEILSRLDALEAEAQI 1085
181 of 226	17	1075 RLDALAEAEQIDRLING 1091
182 of 226	17	1081 AEAQIDRLINGRLTALN 1097
183 of 226	17	1087 RLINGRLTALNAYVSQQ 1103
184 of 226	17	1093 LTALNAYVSQQLSDESTL 1109
185 of 226	17	1099 YVSQQLSDESTLVKFSAA 1115
186 of 226	17	1105 SDSTLVKFSAAQAMEKV 1121
187 of 226	17	1111 KFSAAQAMEKVNECVKS 1127
188 of 226	17	1117 AMEKVNECVKSQSSRIN 1133
189 of 226	17	1123 ECVKSQSSRINFCGNGN 1139
190 of 226	17	1129 SSRINFCGNGNHIISLV 1145
191 of 226	17	1135 CGNGNHIISLVQNAPYG 1151
192 of 226	17	1141 IISLVQNAPYGLYFIHF 1157
193 of 226	17	1147 NAPYGLYFIHFSYVPTK 1163
194 of 226	17	1153 YFIHFSYVPTKYVTARV 1169
195 of 226	17	1159 YVPTKYVTARVSPGLCI 1175
196 of 226	17	1165 VTARVSPGLCIAGDRGI 1181
197 of 226	17	1171 PGLCIAGDRGIAPKSGY 1187
198 of 226	17	1177 GDRGIAPKSGYFVNVNN 1193
199 of 226	17	1183 PKSGYFVNVNNTWMTG 1199
200 of 226	17	1189 VNVNNTWMTGSGYYYP 1205
201 of 226	17	1195 WMYTGSYYYPEPITEN 1211
202 of 226	17	1201 GYYYPEPITENNVVMS 1217
203 of 226	17	1207 PITENNVVMSTCAVNY 1223
204 of 226	17	1213 VVMSTCAVNYTKAPYV 1229
205 of 226	17	1219 CAVNYTKAPYVMLNTSI 1235
206 of 226	17	1225 KAPYVMLNTSIPNLPDF 1241
207 of 226	17	1231 LNTSIPNLPDFKEELDQ 1247
208 of 226	17	1237 NLPDFKEELDQWFKNQT 1253
209 of 226	17	1243 EELDQWFKNQTSVAPDL 1259
210 of 226	17	1249 FKNQTSVAPDLSLDYIN 1265
211 of 226	17	1255 VAPDLSLDYINVTFLDL 1271
212 of 226	17	1261 LDYINVTFLDLQVEMNR 1277
213 of 226	17	1267 TFLDLQVEMNRLQEAIK 1283
214 of 226	17	1273 VEMNRLQEAIKVLNQS 1289
215 of 226	17	1278 LQEAIKVLNQSINLKD 1294
216 of 226	17	1284 VLNQSINLKDITYEY 1300
217 of 226	17	1290 INLKDITYEYYVKWPW 1306
218 of 226	17	1296 GTYEYYVKWPWYVWLLI 1312
219 of 226	17	1302 VKWPWYVWLLICLAGVA 1318
220 of 226	17	1308 VWLLICLAGVAMLVLLF 1324
221 of 226	17	1314 LAGVAMLVLLFFICCCT 1330
222 of 226	17	1320 LVLLFFICCCTGCGTSC 1336
223 of 226	17	1326 ICCCTGCGTSCFKKCGG 1342

Table 1		
Peptide	Length	Sequence
224 of 226	17	1332 CGTSCFKKCGGCCDDYT 1348
225 of 226	17	1338 KKCGGCCDDYTGYQELV 1354
226 of 226	18	1344 CDDYTGYQELVIKTSHDD 1361

Table 2		
Peptide	Solubility	Solvent
1 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
2 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
3 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
4 of 226	1 mg/mL	DMSO
5 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
6 of 226	1 mg/mL	DMSO
7 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
8 of 226	1 mg/mL	DMSO
9 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
10 of 226	1 mg/mL	DMSO
11 of 226	1 mg/mL	PBS pH 7.2
12 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
13 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
14 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
15 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
16 of 226	1 mg/mL	PBS pH 7.2
17 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
18 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
19 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
20 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
21 of 226	1 mg/mL	DMSO
22 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
23 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
24 of 226	1 mg/mL	PBS pH 7.2
25 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
26 of 226	1 mg/mL	DMSO
27 of 226	1 mg/mL	DMSO
28 of 226	1 mg/mL	DMSO
29 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
30 of 226	1 mg/mL	DMSO
31 of 226	1 mg/mL	DMSO
32 of 226	1 mg/mL	PBS pH 7.2
33 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
34 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
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36 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
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Table 2		
Peptide	Solubility	Solvent
39 of 226	1 mg/mL	DMSO
40 of 226	1 mg/mL	DMSO
41 of 226	1 mg/mL	DMSO
42 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
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89 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
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103 of 226	1 mg/mL	DMSO
104 of 226	1 mg/mL	DMSO
105 of 226	1 mg/mL	DMSO
106 of 226	1 mg/mL	DMSO
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114 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
115 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
116 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
117 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
118 of 226	1 mg/mL	DMSO
119 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
120 of 226	1 mg/mL	DMSO
121 of 226	1 mg/mL	DMSO
122 of 226	1 mg/mL	DMSO
123 of 226	1 mg/mL	DMSO
124 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
125 of 226	1 mg/mL	PBS pH7.2
126 of 226	1 mg/mL	DMSO
127 of 226	1 mg/mL	DMSO
128 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
129 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
130 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
131 of 226	1 mg/mL	PBS pH 7.2

Table 2		
Peptide	Solubility	Solvent
132 of 226	1 mg/mL	PBS pH 7.2
133 of 226	1 mg/mL	DMSO
134 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
135 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
136 of 226	1 mg/mL	DMSO
137 of 226	1 mg/mL	DMSO
138 of 226	1 mg/mL	DMSO
139 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
140 of 226	1 mg/mL	PBS pH7.2
141 of 226	1 mg/mL	DMSO
142 of 226	1 mg/mL	DMSO
143 of 226	1 mg/mL	DMSO
144 of 226	1 mg/mL	DMSO
145 of 226	1 mg/mL	DMSO
146 of 226	1 mg/mL	DMSO
147 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
148 of 226	1 mg/mL	DMSO
149 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
150 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
151 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
152 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
153 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
154 of 226	1 mg/mL	DMSO
155 of 226	1 mg/mL	PBS pH 7.2
156 of 226	1 mg/mL	DMSO
157 of 226	1 mg/mL	DMSO
158 of 226	1 mg/mL	PBS pH 7.2
159 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
160 of 226	1 mg/mL	DMSO
161 of 226	1 mg/mL	DMSO
162 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
163 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
164 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
165 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
166 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
167 of 226	1 mg/mL	DMSO
168 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
169 of 226	1 mg/mL	DMSO
170 of 226	1 mg/mL	DMSO
171 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
172 of 226	1 mg/mL	DMSO
173 of 226	1 mg/mL	DMSO
174 of 226	1 mg/mL	DMSO
175 of 226	1 mg/mL	PBS pH 7.2
176 of 226	1 mg/mL	PBS pH 7.2
177 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
178 of 226	1 mg/mL	DMSO

Table 2

Peptide	Solubility	Solvent
179 of 226	1 mg/mL	DMSO
180 of 226	1 mg/mL	DMSO
181 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
182 of 226	1 mg/mL	PBS pH 7.2
183 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
184 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
185 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
186 of 226	1 mg/mL	DMSO
187 of 226	1 mg/mL	DMSO
188 of 226	1 mg/mL	DMSO
189 of 226	1 mg/mL	DMSO
190 of 226	1 mg/mL	DMSO
191 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
192 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
193 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
194 of 226	1 mg/mL	DMSO
195 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
196 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
197 of 226	1 mg/mL	DMSO
198 of 226	1 mg/mL	DMSO
199 of 226	1 mg/mL	DMSO
200 of 226	1 mg/mL	DMSO
201 of 226	1 mg/mL	DMSO
202 of 226	1 mg/mL	DMSO
203 of 226	1 mg/mL	DMSO
204 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
205 of 226	1 mg/mL	DMSO
206 of 226	1 mg/mL	DMSO
207 of 226	1 mg/mL	DMSO
208 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
209 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
210 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
211 of 226	1 mg/mL	DMSO
212 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
213 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
214 of 226	1 mg/mL	DMSO
215 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
216 of 226	1 mg/mL	50% PBS pH 7.2 / 50% DMSO
217 of 226	1 mg/mL	DMSO
218 of 226	1 mg/mL	DMSO
219 of 226	1 mg/mL	DMSO
220 of 226	1 mg/mL	DMSO
221 of 226	1 mg/mL	DMSO
222 of 226	1 mg/mL	DMSO
223 of 226	1 mg/mL	DMSO
224 of 226	1 mg/mL	DMSO
225 of 226	1 mg/mL	DMSO
226 of 226	1 mg/mL	DMSO