

Peptide Array, Hepatitis C Virus, H77, p7 Protein

Catalog No. NR-3750

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Product Description: The 8-peptide array spans the p7 protein of hepatitis C virus, H77 (genotype 1a; GenPept: AAB67036). Peptides are 17- to 18-mers, with 11 amino acid overlaps.

Lot: N669-1 to N669-8

The following information applies to all peptides:

- Appearance White lyophilized powder
- Mass spectral analysis Correct MW by MALDI-TOF
- Counter Ion Trifluoroacetate

Peptide-specific information is shown in the two tables below.

Table 1							
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Hydrophilicity	Purity by HPLC ^a	Peptide Content ^b
1 of 8	7/27/2006	17	1 ALENLVILNAASLAGTH 17	1706.97	0.91	100.0%	88.2%
2 of 8	7/27/2006	18	7 ILNAASLAGTHGLVSFLV 24	1783.12	1.47	97.7%	88.7%
3 of 8	7/27/2006	18	14 AGTHGLVSFLVFFCFAWY 31	2065.44	1.42	Crude	90.1%
4 of 8	7/27/2006	17	21 SFLVFFCFAWYLKGRWV 37	2169.64	1.11	80.2%	86.4%
5 of 8	7/27/2006	18	27 CFAWYLKGRWVPGAVYAL 44	2100.54	0.64	91.9%	86.0%
6 of 8	7/27/2006	18	34 GRWVPGAVYALYGMWPLL 51	2049.49	0.67	89.5%	90.0%
7 of 8	7/27/2006	17	41 VYALYGMWPLLLLLLAL 57	1962.53	2.04	98.2%	89.6%
8 of 8	7/27/2006	17	47 MWPLLLLLLALPQRAYA 63	1982.52	1.21	99.3%	89.7%

^a% full-length

^bRemainder is salt and water

Certificate of Analysis for NR-3750

Table 2 - Amino Acid Analysis

Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)
1 of 8	Expected	4.00		2.00		1.00	1.00	1.00	1.00	4.00					1.00	1.00			1.00
	Actual	4.00		1.60		0.88	1.22	1.01	0.69 ^a	3.54					1.07	0.82			0.66 ^a
2 of 8	Expected	3.00		1.00			2.00	1.00	1.00	4.00			1.00		2.00	1.00			2.00
	Actual	3.00		0.76			2.01	0.87	0.72	3.57			0.92		1.90	0.72			1.72
3 of 8	Expected	2.00			1.00		2.00	1.00		2.00			4.00		1.00	1.00	1.00	1.00	2.00
	Actual	2.00			0.45 ^b		2.12	0.84		1.50			1.13		0.44	0.67	0.00 ^c	1.01	1.47
4 of 8	Expected	1.00	1.00		1.00		1.00			2.00	1.00		4.00		1.00		2.00	1.00	2.00
	Actual	1.00	1.11		0.44 ^b		1.04			1.51	0.96		3.54		0.61		0.00 ^c	1.00	1.76
5 of 8	Expected	3.00	1.00		1.00		2.00			2.00	1.00		1.00	1.00			2.00	2.00	2.00
	Actual	2.78	1.03		0.48 ^b		2.10			1.74	1.09		0.98	1.00			0.00 ^c	1.61	1.59
6 of 8	Expected	2.00	1.00				3.00			3.00		1.00		2.00			2.00	2.00	2.00
	Actual	1.77	1.00				3.06			3.11		0.90		1.79			0.00 ^c	1.63	1.64
7 of 8	Expected	2.00					1.00			8.00		1.00		1.00			1.00	2.00	1.00
	Actual	1.64					1.16			7.18		0.79		1.17			0.00 ^c	2.00	0.89
8 of 8	Expected	3.00	1.00			1.00				7.00		1.00		2.00			1.00	1.00	
	Actual	2.77	1.00			0.76				6.62		0.87		1.89			0.00 ^c	1.03	

^aVal-Ile, Val-Val, Ile-Ile and/or Ile-Val bonds were only partially destroyed during hydrolysis

^bCys was partially destroyed during hydrolysis

^cTrp was completely destroyed during hydrolysis

Date: 23 APR 2011

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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