

Peptide Array, Dengue Virus Type 2, New Guinea C (NGC), C Protein

Catalog No. NR-505

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Product Description: The 14-peptide array spans the C protein of Dengue virus type 2, New Guinea C (GenPept: AAA42941). Peptides are 15- to 18-mers, with 10 amino acid overlaps.

Lot: 3898686

The following information applies to all peptides:

- Appearance White lyophilized powder
- Mass spectral analysis Electrospray "Exhibits correct MW"
- Counter Ion Trifluoroacetate

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

Table 1						
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
1	11/15/2004	17	NNQRKKARNTPFNMLKR	2116.4	97.4%	67.3%
2	11/17/2004	18	RNTPFNMLKREERNRVSTV	2218.5	96.6%	74.0%
3	11/17/2004	17	KREERNRVSTVQQLTKRF	2146.4	97.7%	68.6%
4	11/18/2004	18	STVQQLTKRFSLGMLQGR	2050.4	90.2%	75.4%
5	11/22/2004	18	RFSLGMLQGRGPLKLFMA	2022.5	94.9%	79.5%
6	11/19/2004	18	GRGPLKLFMALVAFLRFL	2049.6	93.8%	76.2%
7	11/18/2004	18	MALVAFLRFLTIPPTAGI	1931.4	83.1%	85.9%
8	11/24/2004	18	FLTIPPTAGILKRWGTIK	2012.4	95.4%	79.8%
9	11/22/2004	18	GILKRWGTIKKSKAINVL	2025.5	99.6%	64.4%
10	12/6/2004	17	IKKSKAINVLRGFRKEI	2000.4	97.2%	66.5%
11	11/22/2004	17	NVLRGFRKEIGRMLNIL	2029.4	96.0%	71.2%
12	11/22/2004	17	KEIGRMLNILNRRRRTA	2097.5	96.4%	63.3%
13	11/18/2004	17	NILNRRRRTAGMIIMLI	2041.5	92.0%	71.1%
14	11/22/2004	15	RTAGMIIMLIPTVMA	1618.1	95.2%	82.4%

^a% full-length
^bRemainder is salt and water

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	Expected	1.00	3.00	4.00		1.00				1.00	3.00	1.00	1.00	1.00		1.00			
	Actual	1.00	3.02	4.08		1.04				1.03	3.10	0.95	1.03	1.03		0.98			
2	Expected		4.00	3.00		1.00				1.00	1.00	1.00	1.00	1.00	1.00	2.00			2.00
	Actual		3.89	2.95		1.00				1.00	0.98	0.89	0.97	1.05	0.72	1.71			1.99
3	Expected		4.00	1.00		3.00				1.00	2.00		1.00		1.00	2.00			2.00
	Actual		4.00	1.00		3.00				1.05	2.04		1.03		0.71	1.81			2.09
4	Expected		2.00			3.00	2.00			3.00	1.00	1.00	1.00		2.00	2.00			1.00
	Actual		1.94			2.87	2.00			3.01	1.00	0.89	1.00		1.57	1.75			0.97
5	Expected	1.00	2.00			1.00	3.00			4.00	1.00	2.00	2.00	1.00	1.00				
	Actual	0.90	1.88			1.01	3.00			4.01	0.96	1.50	1.89	0.97	0.86				
6	Expected	2.00	2.00				2.00			5.00	1.00	1.00	3.00	1.00					1.00
	Actual	1.89	1.98				2.00			4.93	0.96	0.87	2.86	1.14					0.92
7	Expected	3.00	1.00				1.00		2.00	3.00		1.00	2.00	2.00		2.00			1.00
	Actual	3.00	0.98				0.95		2.00	3.01		0.86	1.96	2.01		1.73			1.00
8	Expected	1.00	1.00				2.00		3.00	2.00	2.00		1.00	2.00		3.00	1.00		
	Actual	1.00	0.95				2.01		2.85	1.99	1.95		0.96	1.92		2.63	0.00 ^a		
9	Expected	1.00	1.00	1.00			2.00		3.00	2.00	4.00				1.00	1.00	1.00		1.00
	Actual	1.05	0.87	1.07			2.00		2.96	2.05	4.00				0.94	0.89	0.00 ^a		1.00
10	Expected	1.00	2.00	1.00		1.00	1.00		3.00	1.00	4.00		1.00		1.00				1.00
	Actual	1.00	1.90	0.95		0.93	0.97		2.66	0.91	3.62		0.93		0.77				0.88
11	Expected		3.00	2.00		1.00	2.00		2.00	3.00	1.00	1.00	1.00						1.00
	Actual		2.95	1.98		0.98	2.00		1.97	3.05	0.97	0.84	0.95						0.96
12	Expected	1.00	5.00	2.00		1.00	1.00		2.00	2.00	1.00	1.00				1.00			
	Actual	0.99	4.96	1.98		0.99	1.00		1.94	2.03	0.98	0.80				0.97			
13	Expected	1.00	4.00	2.00			1.00		4.00	2.00		2.00				1.00			
	Actual	1.02	3.71	1.84			1.00		3.28 ^b	1.95		1.70				0.94			
14	Expected	2.00	1.00				1.00		3.00	1.00		3.00		1.00		2.00			1.00
	Actual	2.30	1.15				1.18		1.92 ^b	1.00		2.50		1.13		2.15			1.15

^aTrp was completely destroyed during hydrolysis.

^bIle-Ile bond was partially destroyed during hydrolysis.

Date: 21 MAY 2007

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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