

Peptide Array, Hepatitis C Virus, H77, NS4A Protein

Catalog No. NR-3753

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Product Description: The 7-peptide array spans the NS4A protein of hepatitis C virus, H77 (genotype 1a; GenPept: AAB67036). Peptides are 14- to 18-mers, with 11 amino acid overlaps.

Lot: N672-1 to N672-7

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.

Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Hydrophilicity	Purity by HPLC ^a	Peptide Content ^b
1 of 7	7/27/2006	18	1 STWVLVGGVLAALAAAYCL 18	1807.2	1.83	Crude	88.8%
2 of 7	7/27/2006	18	8 GVLAAALAAAYCLSTGCVVI 25	1724.13	2.06	Crude	88.3%
3 of 7	7/27/2006	17	15 AYCLSTGCVVIVGRIVL 31	1766.21	1.89	92.7%	88.6%
4 of 7	7/27/2006	18	21 GCVVIVGRIVLSGKPAII 38	1794.29	1.72	92.8%	84.0%
5 of 7	7/27/2006	18	28 RIVLSGKPAIIPDREVL 45	2039.47	0.32	97.5%	81.7%
6 of 7	7/27/2006	17	35 PAIIPDREVLVQEFDEM 51	2065.35	-0.38	99.2%	90.1%
7 of 7	7/27/2006	14	41 REVLYQEFDEMEEC 54	1820.0	-1.08	89.5%	88.9%

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

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 7	Expected	4.00			1.00		2.00			4.00					1.00	1.00	1.00	1.00	3.00
	Actual	3.81			0.54 ^b		2.11			3.74					0.98	0.76	0.00 ^a	1.00	2.64
2 of 7	Expected	4.00			2.00		2.00		1.00	3.00					1.00	1.00		1.00	3.00
	Actual	3.47			0.81 ^b		2.25		0.92 ^c	2.76					1.09	0.87		1.00	1.98 ^c
3 of 7	Expected	1.00	1.00		2.00		2.00		2.00	2.00					1.00	1.00		1.00	4.00
	Actual	0.93	0.85		0.54 ^b		1.71		0.87 ^c	1.73					0.93	0.81		1.00	1.67 ^c
4 of 7	Expected	1.00	1.00		1.00		3.00		4.00	1.00	1.00			1.00	1.00				4.00
	Actual	1.00	0.92		0.49 ^b		3.12		1.78 ^c	0.81	0.90			1.06	0.99				1.49 ^c
5 of 7	Expected	1.00	2.00	1.00		1.00	1.00		3.00	2.00	1.00			2.00	1.00			1.00	2.00
	Actual	1.11	1.97	0.84		0.93	1.24		1.41 ^c	1.75	1.00			2.00	0.92			1.14	1.30 ^c
6 of 7	Expected	1.00	1.00	2.00		4.00			2.00	1.00		1.00	1.00	2.00				1.00	1.00
	Actual	0.89	1.04	1.70		3.66			0.86 ^c	0.91		0.93	1.01	1.94				1.00	0.87
7 of 7	Expected		1.00	1.00	1.00	6.00				1.00		1.00	1.00					1.00	1.00
	Actual		0.97	0.75	0.48 ^b	5.51				0.89		1.08	1.08					1.00	0.74

^aTrp was completely destroyed during hydrolysis
^bCys was partially destroyed during hydrolysis
^cVal-Ile, Val-Val, Ile-Ile and/or Ile-Val bonds were only partially destroyed during hydrolysis

Date: 24 APR 2011

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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