

Carroll, JA. Groveman, BR. Williams, K. Moore, R. Race, B. Haigh CL. **Prion protein N1 cleavage peptides stimulate microglial interaction with surrounding cells**

Supplementary Data S2. Peptide QC data. The high pressure liquid chromatography and mass spectrometry results for the peptide syntheses from Synpeptide are shown below.

CERTIFICATE OF ANALYSIS

Product Name	PrP_N1
Lot No	JT-68769
Sequence	NH ₂ -KKRPKPGGWNTGGSRYPGQSPGGNRYPPQGGTWG QPHGGGWGQPHGGSWGQPHGGSWGQPHGGGWGQGGG THNQWNKPSKPKTNLKHV - COOH
Dissolution condition	15%ACN+85%H ₂ O
Length	89AA
Modification	N/A
Molecular Weight (MW)	9247.01
Storage	-20°C

Test Items	Specifications	Results
Purity by HPLC	95%	95.13%
Peptide Content	N/A	N/A
Moisture content	N/A	N/A
Acetic acid content	N/A	N/A
Appearance	White to off-white lyophilized powder	Conforms
Quantity	5-9mg	8.0mg

Certified by:
Quality Assurance Department

Date 10-25-2017

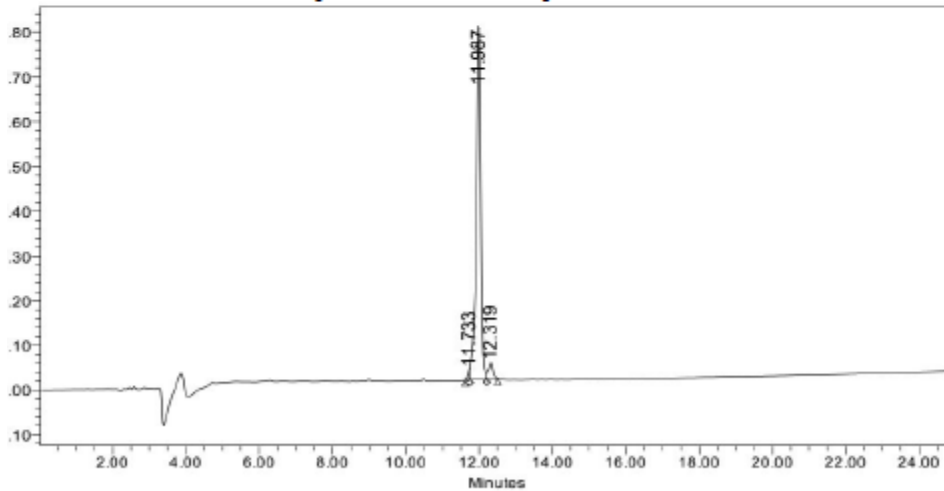
Note: this product is intended for research use only; not for diagnostic or human use.

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Sample Information

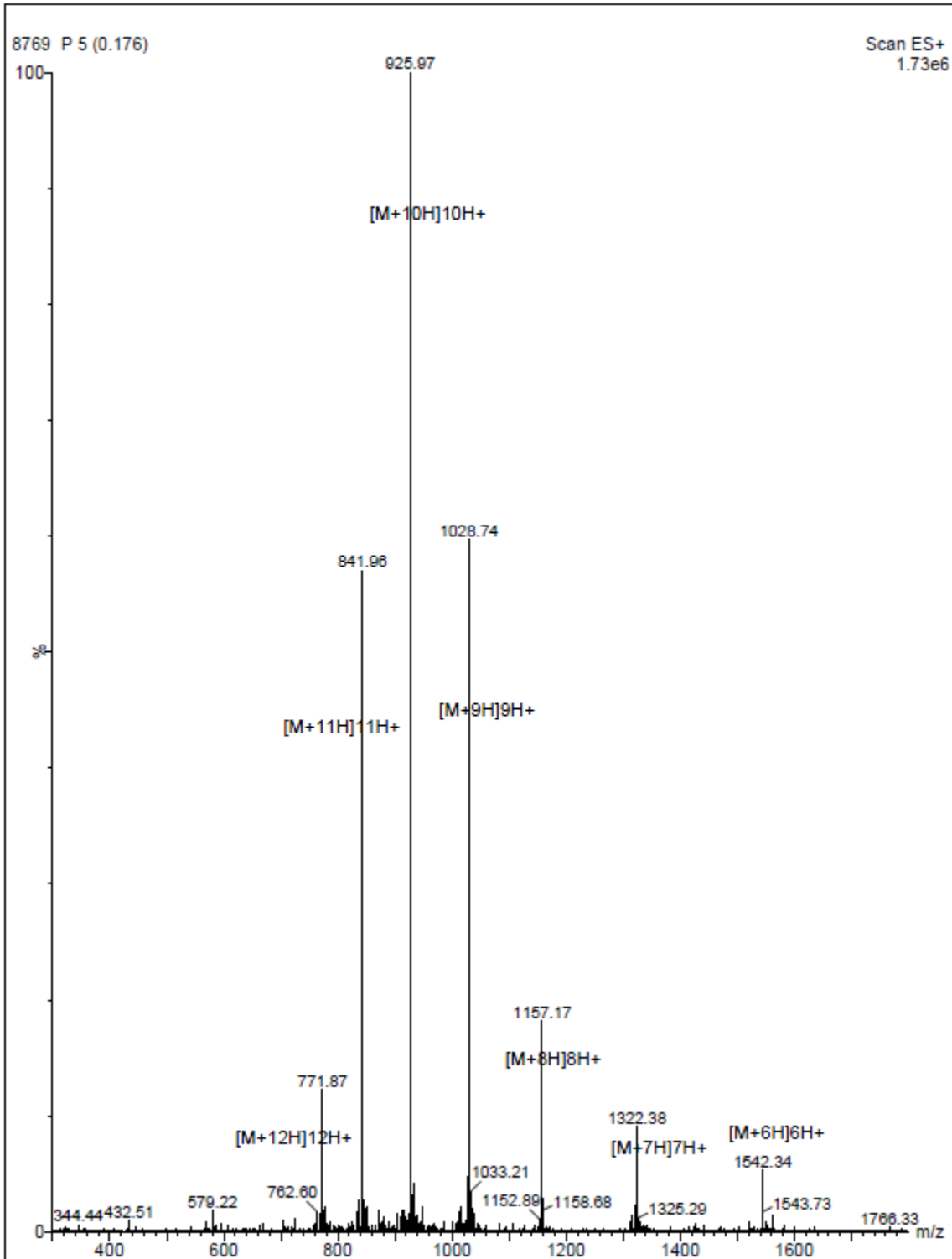
Order ID : Syn-68769
 Name : PrP_N1
 Sequence : NH₂-KKRPKPGGWNTGGSRYPGQGSPGGNRYPPQGGTGWQPHGG
 GWGQPHGGSWGQPHGGSWGQPHGGGWGQGGGTHNQWNKPSKP
 KTNLKHV - COOH
 Lot No : JT-68769
 Pump A : 0.1% Trifluoroacetic in 100% Water
 Pump B : 0.1% Trifluoroacetic in 100% Acetontrile
 Total Flow : 1ml/min
 Wavelength : 220nm
 Analytical column type : SHIMADZU Inertsil ODS-SP (4.6*250mm*5um)
 Inj. Volume : 30ul

Time	Module	Action	Value
0.00	Pumps	B.Conc	5
25.00	Pumps	B.Conc	65
25.01	Pumps	B.Conc	100
30.00	Pumps	B.Conc	100
30.01	Pumps	Stop	



	RT	Area	% Area	Height
1	11.733	53678	0.78	22737
2	11.987	6580113	95.13	786337
3	12.319	283465	4.10	34583

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CERTIFICATE OF ANALYSIS

Product Name	PrP_N2
Lot No	JT-81096
Sequence	NH2-KKRPKPGGWNTGGSRYPGQGSPGGNRYPPQGGTWGQ PHGGGWGQPHGGSWGQPHGGSWGQPHGGGWG- COOH
Dissolution condition	15%ACN+85%H2O
Length	67AA
Modification	N/A
Molecular Weight (MW)	6808.28
Storage	-20°C

Test Items	Specifications	Results
Purity by HPLC	95%	95.59%
Peptide Content	N/A	N/A
Moisture content	N/A	N/A
Acetic acid content	N/A	N/A
Appearance	White to off-white lyophilized powder	Conforms
Quantity	7mg(5-9mg)	7.0mg

Certified by:
Quality Assurance
Department

Date 04/26/2019

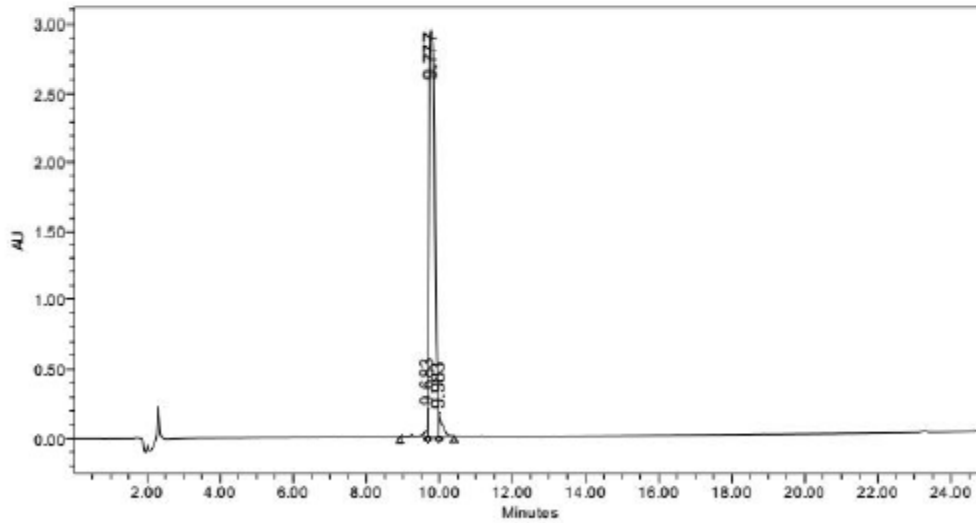
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Sample Information

Order ID : Syn-81096
 Name : PrP_N2
 Sequence : NH2-KKRPKPGGWNTGGSRYPGQSPGGNRYPPQGGTWGQPHGG
 GWGQPHGGSWGQPHGGSWGQPHGGGWG- COOH
 Lot No : JT-81096
 Pump A : 0.1% Trifluoroacetic in 100% Water
 Pump B : 0.1% Trifluoroacetic in 100% Acetonitrile
 Total Flow : 1ml/min
 Wavelength : 220nm
 Analytical column type : SHIMADZU Inertsil ODS-SP (4.6*250mm*5um)
 Inj. Volume : 30ul

Time	Module	Action	Value
0.00	Pumps	B.Conc	5
25.00	Pumps	B.Conc	65
25.01	Pumps	B.Conc	100
30.00	Pumps	B.Conc	100
30.01	Pumps	Stop	



	RT	Area	% Area	Height
1	9.683	520923	1.54	196244
2	9.777	32238679	95.59	2970529
3	9.983	967058	2.87	167030

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