


CERTIFICATE OF ANALYSIS

Product Name	IRBP (651-670) (human) peptide, Cat.#: 318944
Lot No.	MTFA32755-0427
Sequence	LAQGAYRTAVDLESASQLT
Dissolution condition	100%H ₂ O
Length	20AA
Modification	N/A
Molecular Weight (MW)	2107.30
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2107.65	Conforms
Purity by HPLC	>95%	95.578%
TFA content	N/A	N/A
Endotoxin content	N/A	N/A
Acetic acid content	N/A	N/A
Appearance	White to off-white lyophilized powder	Conforms
Quantity	80mg	5.0mg*16

NovoPro Bioscience Inc. (hereafter NovoPro) warrants material of said quality at the time of sale. It is the sole responsibility of the customers to determine the adequacy of all materials for any intended or specific purpose or use. NovoPro's sole obligation is to replace the material up to the extent of the purchase price. This warranty applies only to products in original packaging and does not apply to a product which has been tampered with or altered in any way in or which has been misused or damaged by accident or negligence. All claims must be received writing (by fax or email) within 30 days from date when product arrive at the destination city and failure to do so shall constitute a waiver by customers for any and all such claims.

Certified by: 
Quality Assurance Department

Apr/28/2025

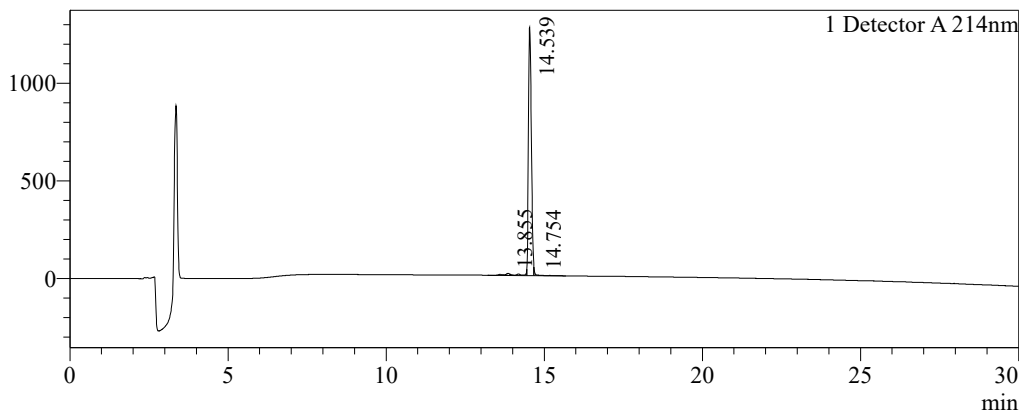


Sample Information

Order ID	:MTFA32755		
Name	:IRBP (651-670) (human) peptide		
Sequence	:LAQGAYRTAVDLESASQLT		
Lot. No	:MTFA32755-0427		
Pump A	:0.1%Trifluoroacetic in 100% water		
Pump B	:0.1%Trifluoroacetic in 100% acetonitrile		
Total Flow	:1ml/min		
Wavelength	:214nm		
Analytical column type	:Kromasil 100-5-C18 (4.6*250mm*5 µm)		
Dissolution method	:100%H ₂ O		
Inj. Volume	: 50ul		
Time	Module	Action	Value
0.01	Pumps	B.Conc	25
30.00	Pumps	B.Conc	55
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	25
50.00	Controller	Stop	

Chromatogram

mV

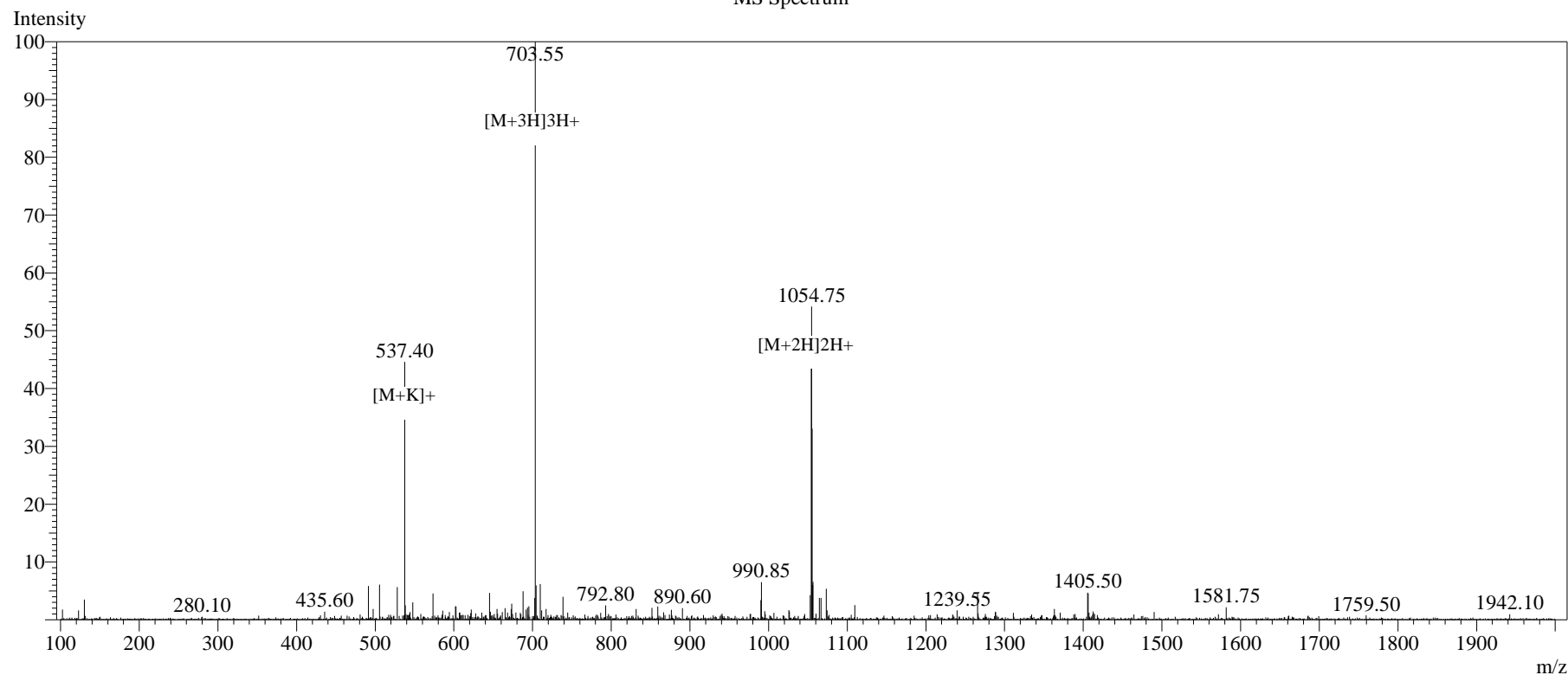


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	13.855	275300	10213	3.184
2	14.539	8263531	1271610	95.578
3	14.754	107062	3676	1.238
Total		8645893	1285499	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/04/21 16:23:03	Nebulizing Gas Flow	:1.50L/min	Detector	:-0.2kv
Injection Volume	:0.2ul	CDL Temp	:250°C	T.Flow	:0.2ml/min
Block Temp	:200	CDL Volt	:0v	B.conc	:50% H ₂ O/50% MEOH
Order ID	:MTFA32755				
Name	:IRBP (651-670) (human) peptide				
Sequence	:LAQGAYRTAVDLESLASQLT				
Lot.No	:MTFA32755-0427				
Theoretical	:2107.30				
Observed	:2107.65				