

CERTIFICATE OF ANALYSIS

Product Name	IRBP(651-670)(human), Cat.#: 318944 (TFA removed)
Lot No.	MTFA32755-0427
Sequence	LAQGAYRTAVDLESLASQLT (Acetate Salt)
Dissolution condition	100%H ₂ O
Length	20AA
Modification	acetate salt
Molecular Weight (MW)	2107.30
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2107.20	Conforms
Purity by HPLC	>95%	95.779%
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	20mg	5.0mg*4

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:



Jun/03/2025

Quality Assurance Department

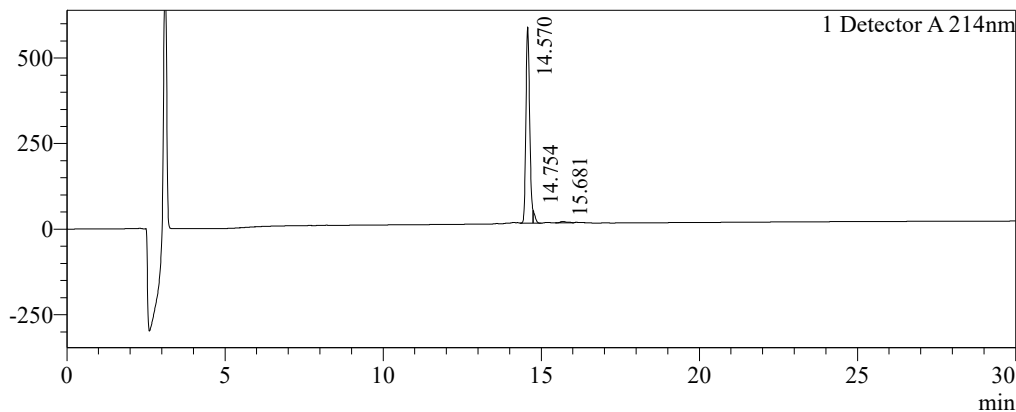


Sample Information

Order ID	:MTFA32870		
Name	:IRBP (651-670) (human)		
Sequence	:LAQGAYRTAVDLESLASQLT (Acetate Salt)		
Lot. No	:MTFA32870-250527		
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	: 30ul		
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

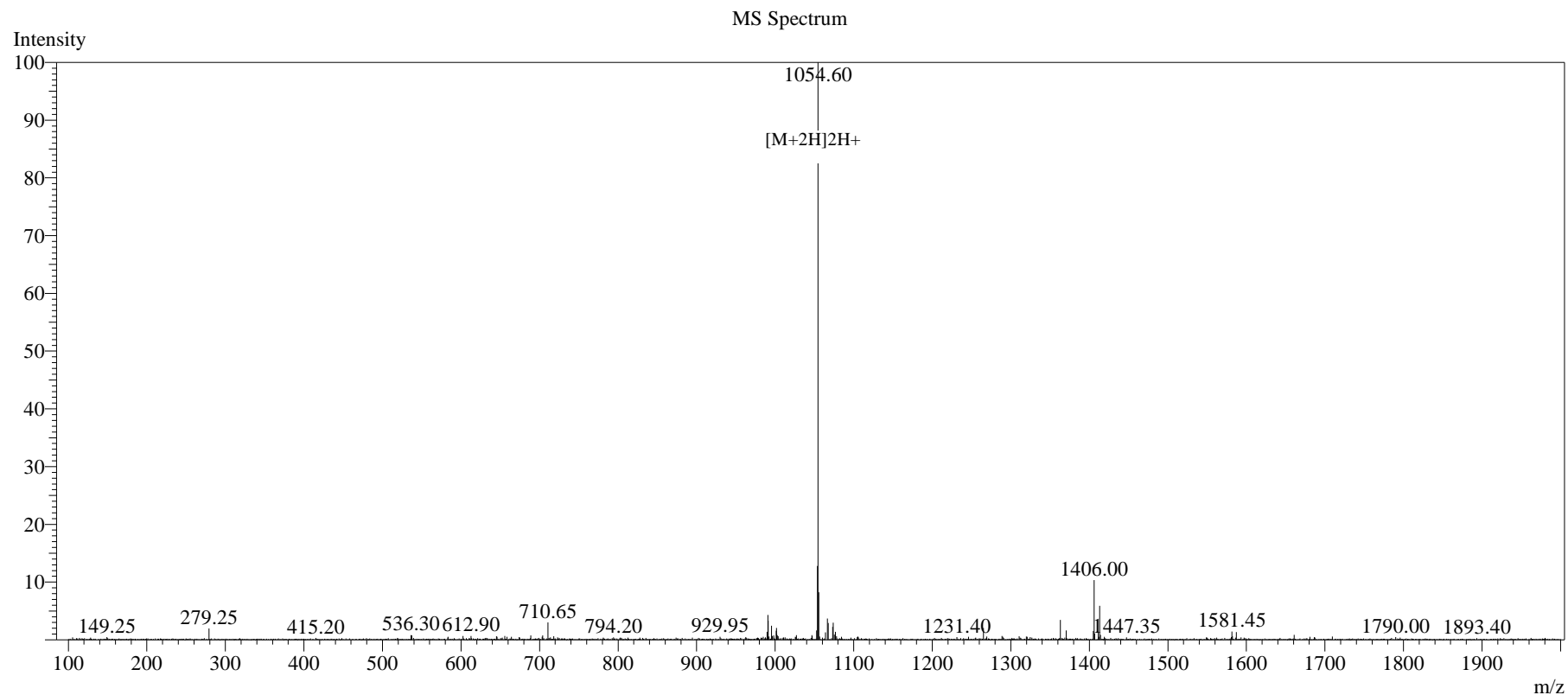
mV



Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	14.570	4775221	572311	95.779
2	14.754	151254	35443	3.034
3	15.681	59213	4060	1.188
Total		4985688	611814	100.000



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/05/28 15:17:41	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% ME OH

Order ID	:MTFA32870
Name	:IRBP (651-670) (human)
Sequence	:LAQGAYRTAVDLES LASQLT (Acetate Salt)
Lot.No	:MTFA32870-250227
Theoretical	:2107.30
Observed	:2107.20