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**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	IRBP (651-670) (human), Cat.#: 318944 (TFA removed)
<b>Lot No.</b>	MTFA33654-251128
<b>Sequence</b>	LAQGAYRTAVDLESLASQLT (Acetate Salt)
<b>Dissolution condition</b>	100%H <sub>2</sub> O
<b>Modification</b>	acetate salt
<b>Molecular Weight (MW)</b>	2107.30
<b>Storage</b>	-20°C

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Test Items	Specifications	Results
MW by MS	2107.50	Conforms
Purity by HPLC	>95%	95.711%
Endotoxin Content	N/A	N/A
TFA solubility	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

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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:



Dec/10/2025

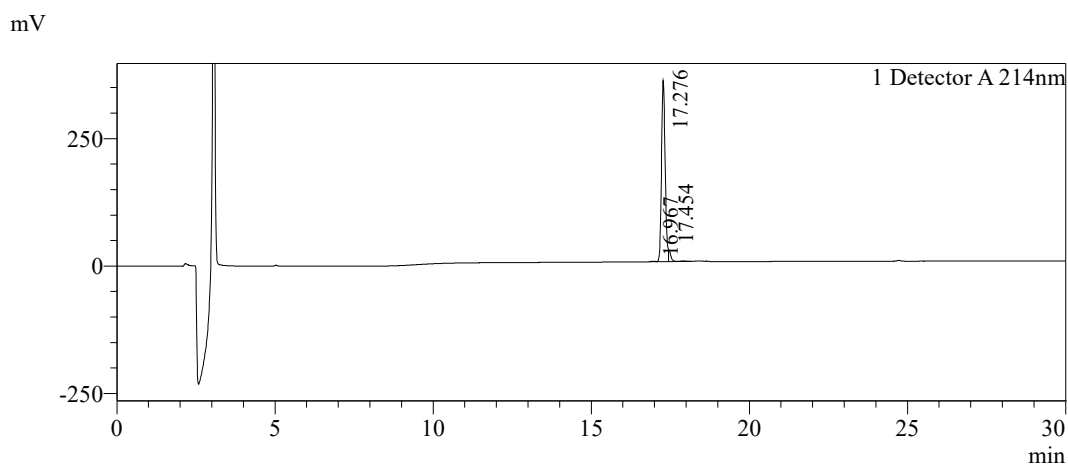
Quality Assurance Department



### Sample Information

Order ID	:MTFA33654		
Name	:IRBP (651-670) (human)		
Sequence	:LAQGAYRTAVDLESLASQLT (Acetate Salt)		
Lot. No	:MTFA33654-251128		
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%H2O		
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	

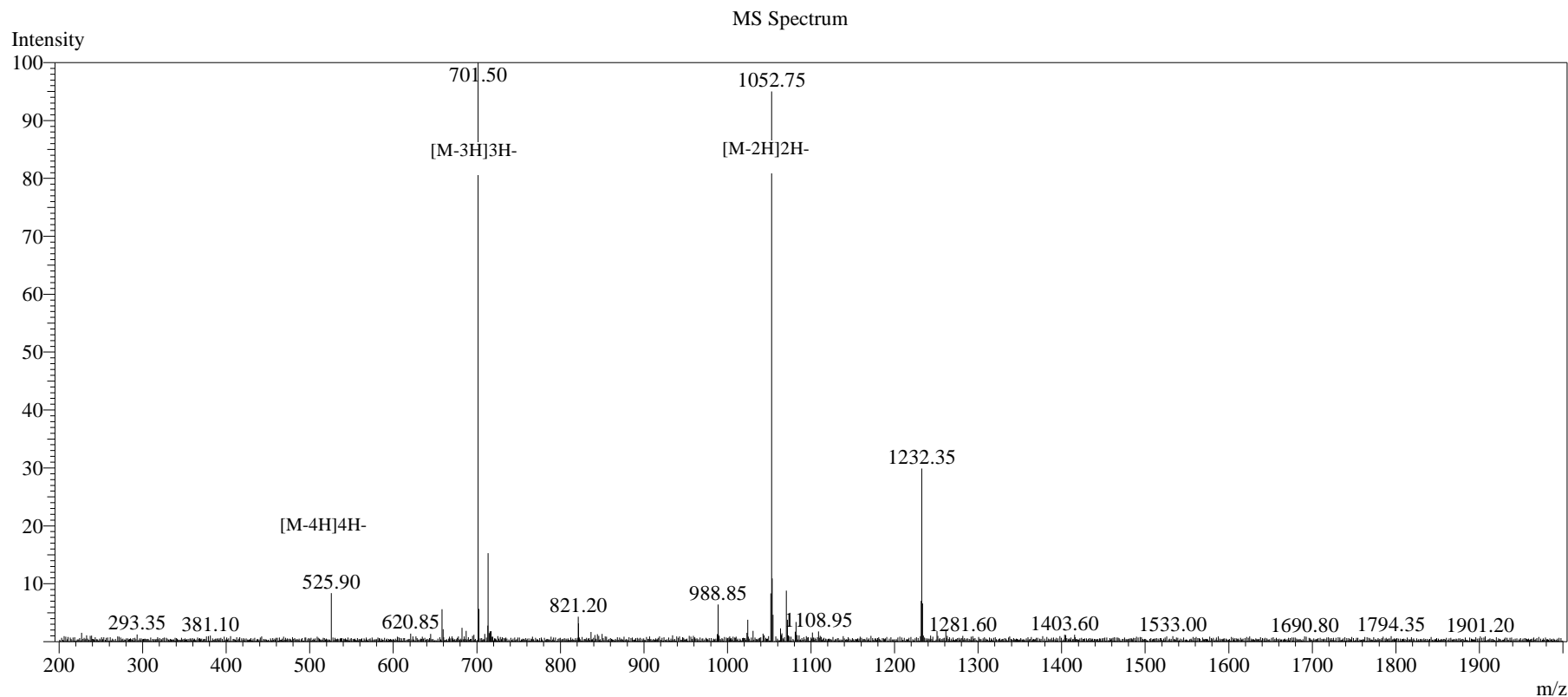
### Chromatogram



### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	16.967	6986	923	0.233
2	17.276	2868985	355165	95.711
3	17.454	121579	23186	4.056
Total		2997551	379274	100.000



### Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/12/09 13:54:45	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 <sub>2</sub> O/50% ME OH

Order ID	:MTFA33654
Name	:IRBP (651-670) (human)
Sequence	:LAQGAYRTAVDLESLASQLT (Acetate Salt)
Lot.No	:MTFA33654-251128
Theoretical	:2107.30
Observed	:2107.50