

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	IRBP (651-670) (human) peptide, Cat.#: 318944
<b>Lot No.</b>	MTFA31381-0517
<b>Sequence</b>	LAQGAYRTAVDLESLSASQLT
<b>Dissolution condition</b>	100%H <sub>2</sub> O
<b>Length</b>	20AA
<b>Modification</b>	N/A
<b>Molecular Weight (MW)</b>	2107.30
<b>Storage</b>	-20°C

<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>
<b>MW by MS</b>	2107.70	Conforms
<b>Purity by HPLC</b>	>95%	95.305%
<b>Peptide content</b>	N/A	N/A
<b>Moisture content</b>	N/A	N/A
<b>Acetic acid content</b>	N/A	N/A
<b>Appearance</b>	White to off-white lyophilized powder	Conforms
<b>Quantity</b>	100mg	5.0mg*20

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

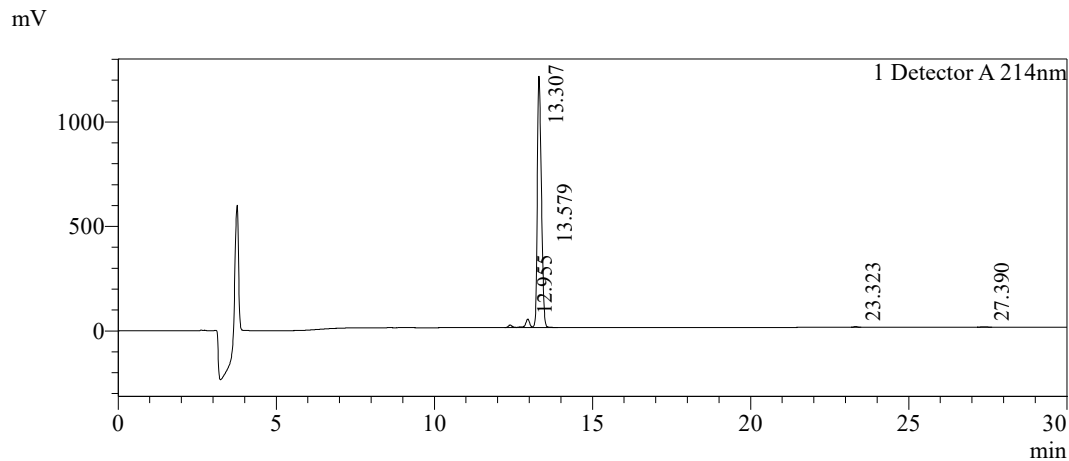
Jun/07/2024



### Sample Information

Order ID : MTF31381  
 Name : IRBP (651-670)  
 Sequence : LAQGAYRTAVDLESLSQLT  
 Lot. No : MTF31381-0517  
 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 : 2% NH<sub>3</sub>.H<sub>2</sub>O+18% ACN+80% H<sub>2</sub>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

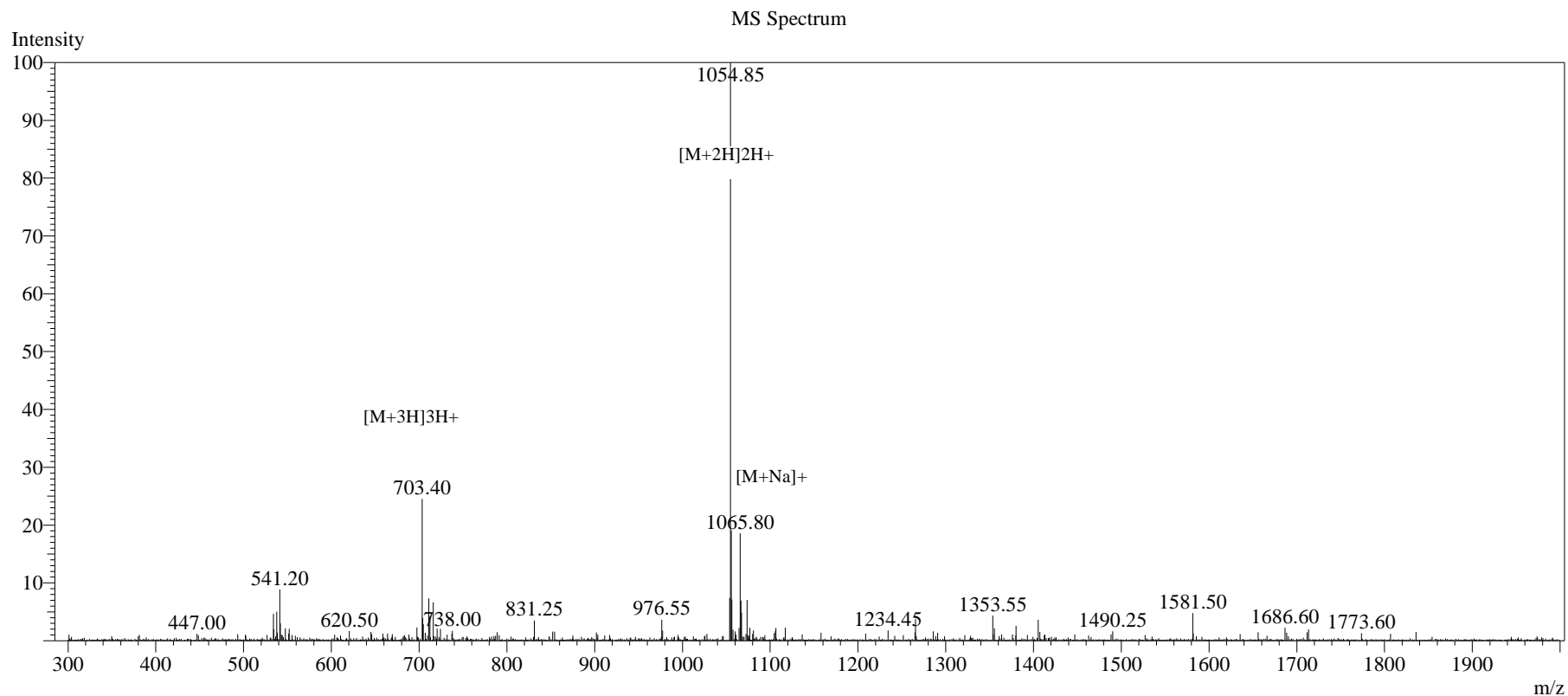
### Chromatogram



### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	12.955	465134	40294	4.108
2	13.307	10791585	1203727	95.305
3	13.579	18022	3147	0.159
4	23.323	27780	3750	0.245
5	27.390	20704	1644	0.183
Total		11323225	1252563	100.000



### Sample Information

Dissolution method	:2%NH <sub>3</sub> .H <sub>2</sub> O+18%ACN+80%H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/05/31 10:34:51	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% MEOH

Order ID	:MTFA31381
Name	:IRBP (651-670)
Sequence	:LAQGAYRTAVDLESLSQLT
Lot.No	:MTFA31381-0517
Theoretical	:2107.30
Observed	:2107.70