

CERTIFICATE OF ANALYSIS

Product Name	IRBP (651-670) peptide, Cat.#: 318944
Lot No.	GTA34940-0208
Sequence	LAQGAYRTAVDLES LASQLT
Dissolution condition	15%ACN+85%H2O
Length	20AA
Modification	N/A
Molecular Weight (MW)	2107.29
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2107.60	Conforms
Purity by HPLC	>98%	98.358%
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	200mg	10.0mg*5 +5.0mg*30

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

Mar/03/2023

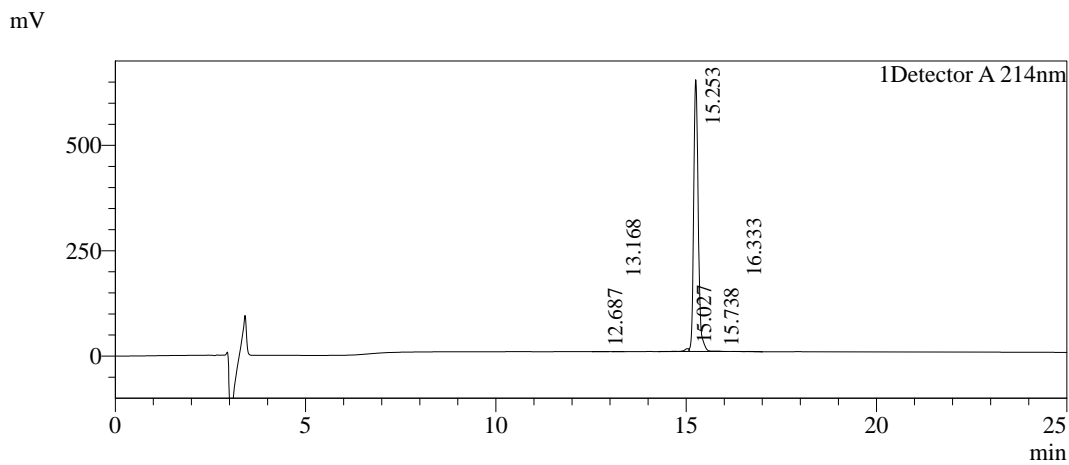


Sample Information

Order ID :GTA34940
 Name :IRBP (651-670) peptide
 Sequence :LAQGAYRTAVDLESLSQLT
 Lot. No :GTA34940-0208
 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 :YMC-Triart C18(4.6*250mm*5um)
 Dissolution method :15% ACN+85% H2O
 Inj. Volume : 25ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	25
25.00	Pumps	B.Conc	50
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	25
50.00	Controller	Stop	

Chromatogram

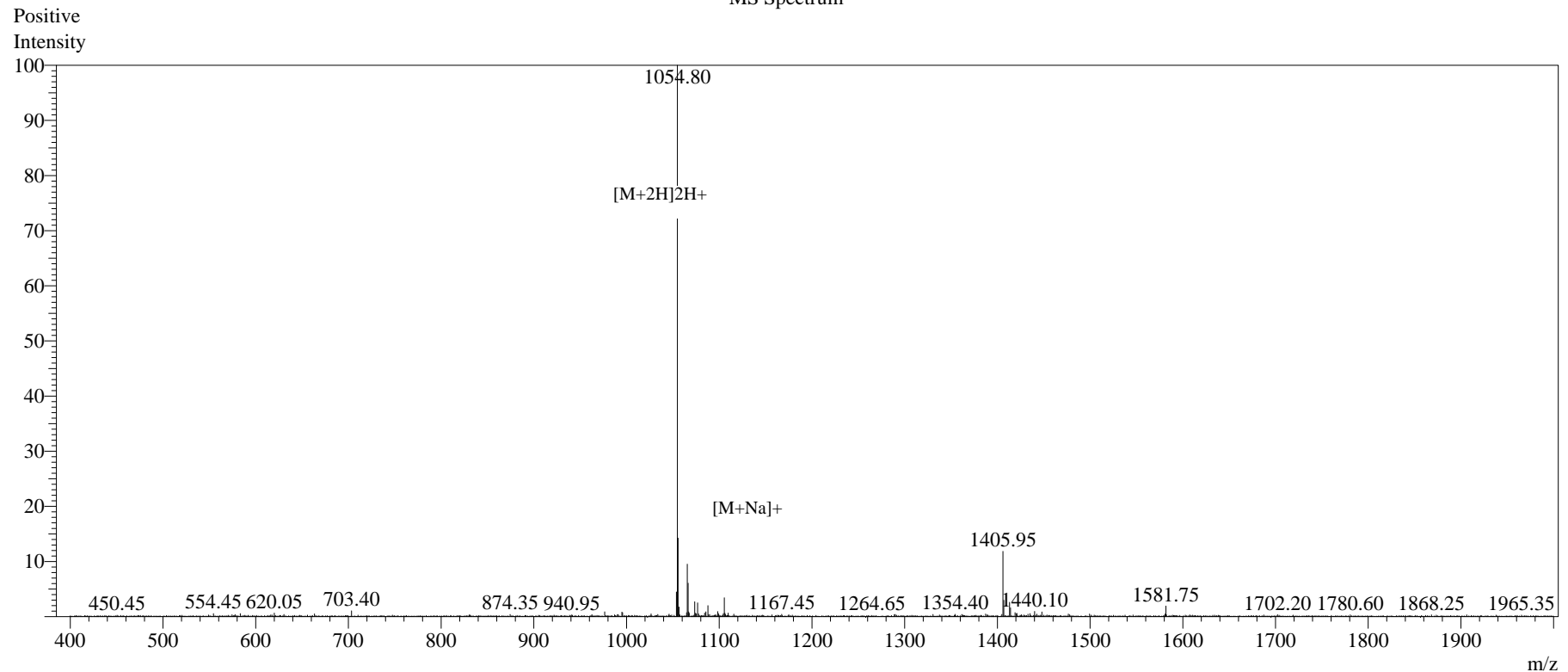


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	12.687	1306	168	0.024
2	13.168	1314	186	0.024
3	15.027	64154	6813	1.175
4	15.253	5371488	644732	98.358
5	15.738	15496	1017	0.284
6	16.333	7421	202	0.136
Total		5461178	653118	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/03/02 10:38:39	Nebulizing Gas Flow	:1.50L/min	Detector	:-0.2kv
Injection Volume	:0.2ul	CDL Temp	:250C	T.Flow	:0.2ml/min
Block Temp	:200	CDL Volt	:0v	B.conc	:50% H ₂ O/50% MEOH

Order ID	:GTA34940
Name	:IRBP (651-670) peptide
Sequence	:LAQGAYRTAVDLESLASQLT
Lot.No	:GTA34940-0208
Theoretical	:2107.29
Observed	:2107.60