

CERTIFICATE OF ANALYSIS

Product Name	Big LEN (By similarity), human peptide, Cat.#: 317891 (TFA Removed)
Lot No.	MTFB20472-260116
Sequence	LETPAPQVPARRLLPP-NH2 (Acetate Salt)
Dissolution condition	100%H2O
Modification	Acetate Salt
Molecular Weight (MW)	1754.06
Storage	-20°C

Test Items	Specifications	Results
MW by MS	1753.90	Conforms
Purity by HPLC	>95%	98.832%
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	20 mg	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:



Jan/20/2026

Quality Assurance Department

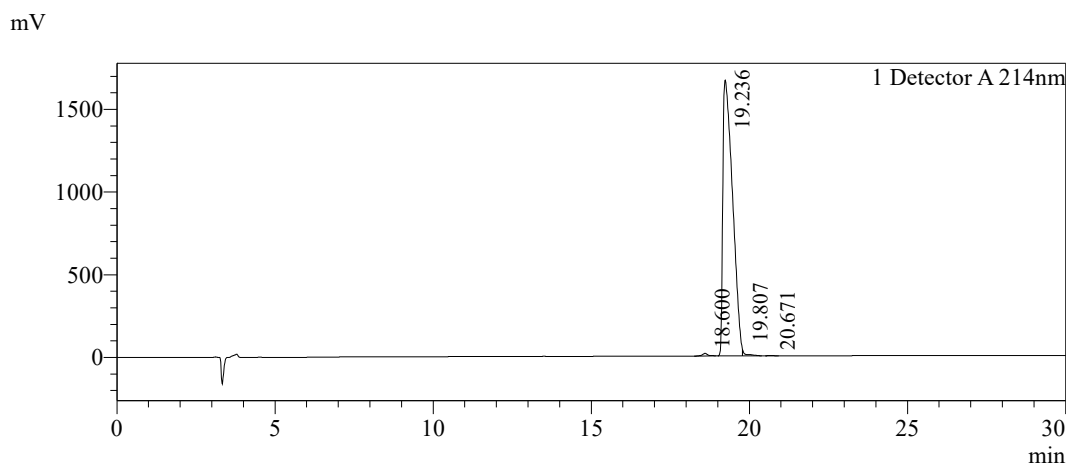


Sample Information

Order ID :MTFB20472
 Name :Big LEN (By similarity), human peptide
 Sequence :LETPAPQVPARRLLPP-NH2(Acetate Salt)
 Lot.No :MTFB20472-260116
 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 :Phenomenex Luna® 5 µm C18 (2) (4.6*250mm*5 µm)
 Dissolution method :100%H2O
 Inj. Volume : 30ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	10
30.00	Pumps	B.Conc	40
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	10
50.00	Controller	Stop	

Chromatogram

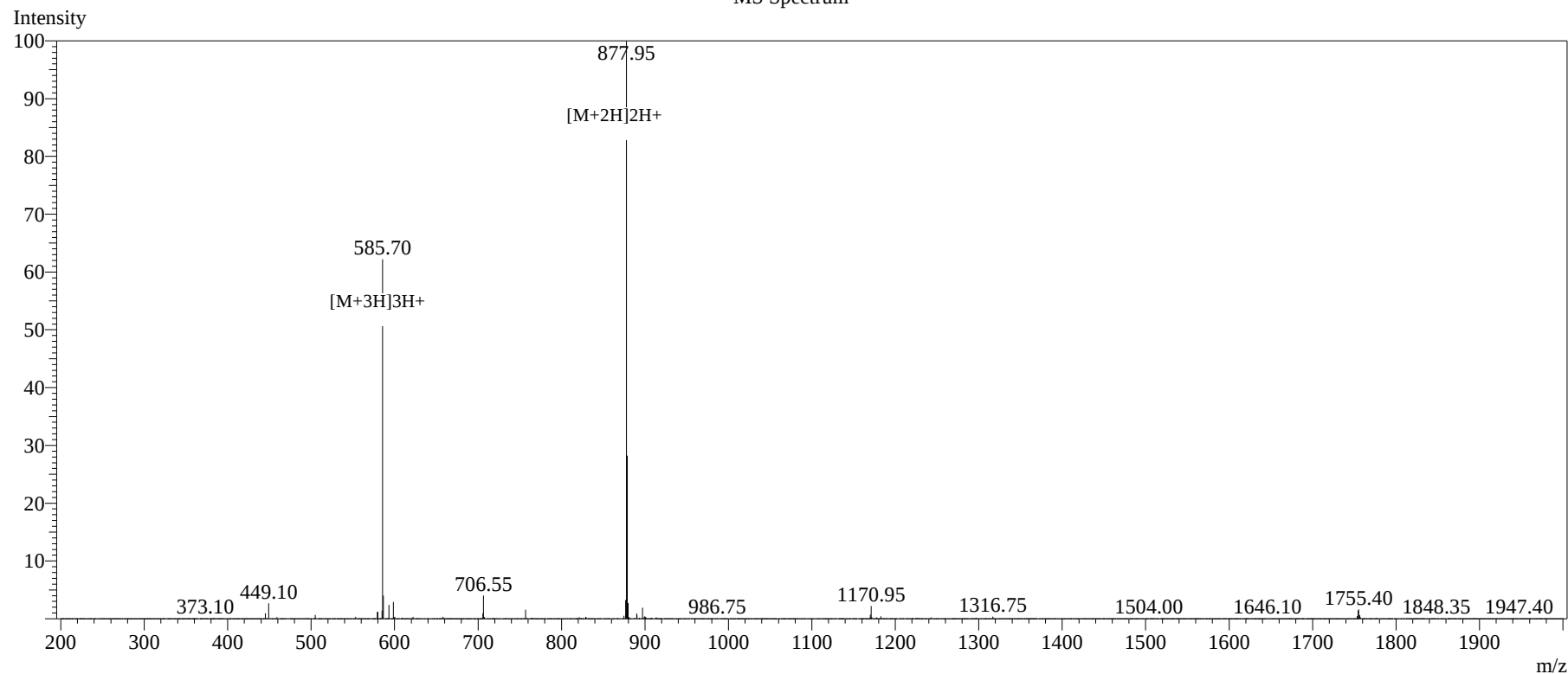


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	18.600	184135	16010	0.509
2	19.236	35783029	1665387	98.832
3	19.807	213639	29345	0.590
4	20.671	25034	2213	0.069
Total		36205838	1712955	100.000

MS Spectrum



Sample Information

Dissolution method :15%ACN+85%H₂O
Date Acquired :2026/01/15 13:57:21
Injection Volume :0.2ul
Block Temp :200

Interface :ESI
Nebulizing Gas Flow :1.50L/min
CDL Temp :250°C
CDL Volt :0v

Prerod Bias :+4.5kv
Detector :-0.2kv
T.Flow :0.2ml/min
B.conc :50%H₂O/50%MEOH

Order ID :MTFB20472
Name :Big LEN (By similarity), human peptide
Sequence :LETPAPQVPARRLLPP-NH₂(Acetate Salt)
Lot.No :MTFB20472-260116
Theoretical :1754.06
Observed :1753.90