

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Chorionic Gonadotropin- $\beta$ (109-145) (human) peptide, Cat.#: 308510
<b>Lot No.</b>	MTFA31881-0925
<b>Sequence</b>	TCDDPRFQDSSSSKAPPPSLPSPSRLPGPSDTPILPQ
<b>Dissolution condition</b>	100%H <sub>2</sub> O
<b>Length</b>	37AA
<b>Modification</b>	N/A
<b>Molecular Weight (MW)</b>	3876.17
<b>Storage</b>	-20°C

Test Items	Specifications	Results
MW by MS	3876.20	Conforms
Purity by HPLC	>95%	95.076%
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:



Quality Assurance Department

Oct/24/2024

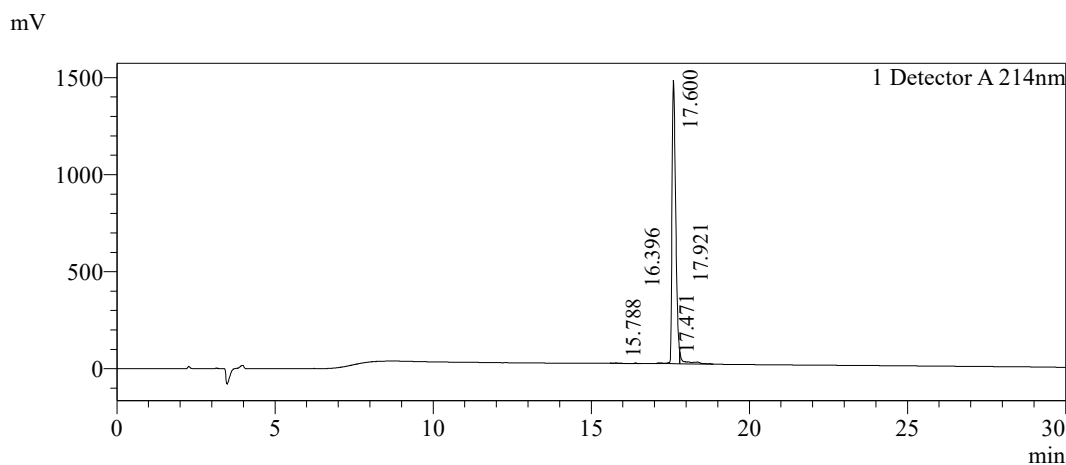


### Sample Information

Order ID :MTFA31881  
 Name :hCG $\beta$  (109-145)  
 Sequence :TCDDPRFQDSSSSKAPPPSLPSPSRLPGPSDTPILPQ  
 Lot. No :MTFA31881-0925  
 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  $\mu$ m)  
 Dissolution method :100%H<sub>2</sub>O  
 Inj. Volume : 25ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	15
30.00	Pumps	B.Conc	45
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	15
50.00	Controller	Stop	

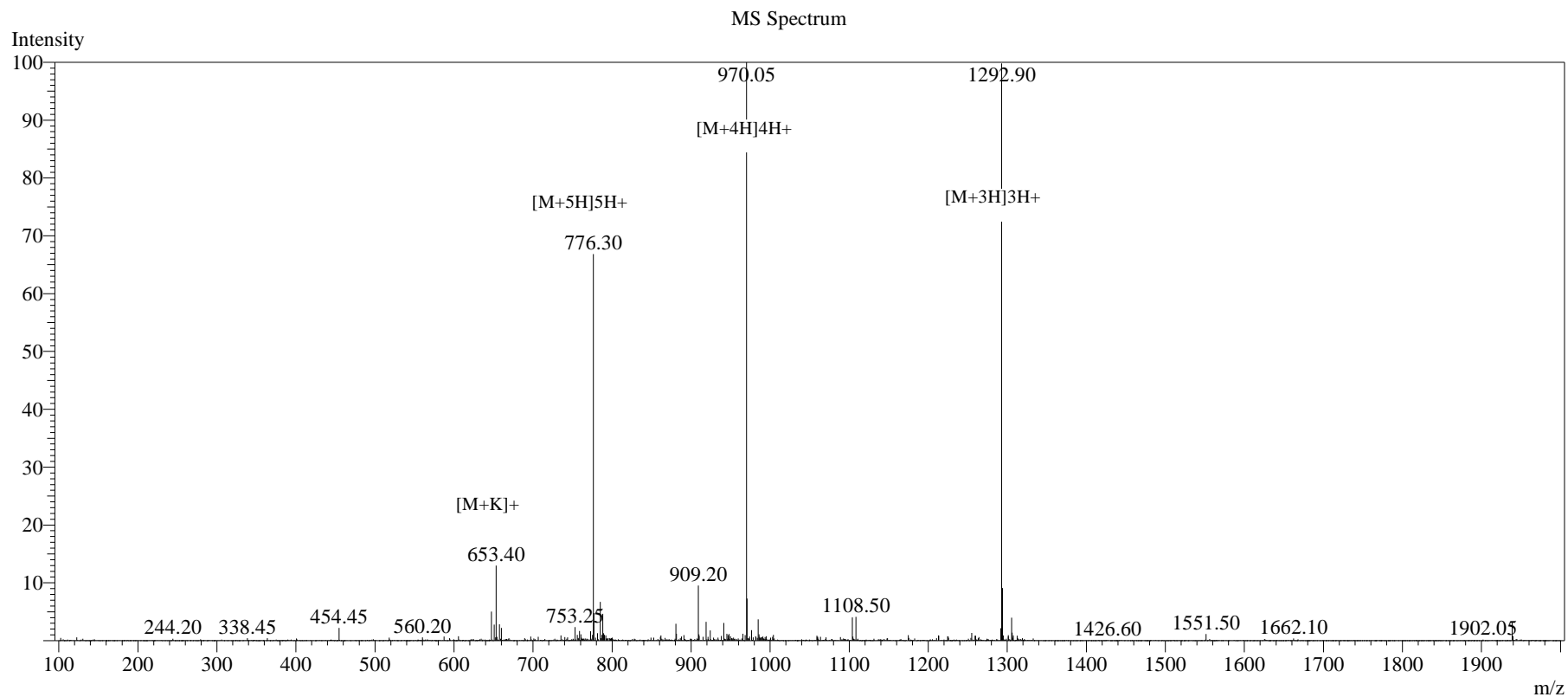
### Chromatogram



### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	15.788	30552	1898	0.244
2	16.396	17261	3121	0.138
3	17.471	79481	6286	0.636
4	17.600	11882254	1460166	95.076
5	17.921	488059	11826	3.905
Total		12497608	1483297	100.000



### Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/10/22 15:59:52	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	:MTFA31881
Name	:hCGβ (109-145)
Sequence	:TCDDPRFQDSSSSKAPPSLPPSPRLPGPSDTPILPQ
Lot.No	:MTFA31881-0925
Theoretical	:3876.17
Observed	:3876.20