

**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	Head activator peptide, Cat.#: 305057 (TFA removed)
<b>Lot No.</b>	MTFA31173-1-0327
<b>Sequence</b>	pE-PPGGSKVILF (Acetate Salt)
<b>Dissolution condition</b>	100%H <sub>2</sub> O
<b>Length</b>	11AA
<b>Modification</b>	acetate salt
<b>Molecular Weight (MW)</b>	1125.34
<b>Storage</b>	-20°C

<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>
<b>MW by MS</b>	1124.80	Conforms
<b>Purity by HPLC</b>	>95%	95.507%
<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>	10mg	5.0mg*2

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

Apr/17/2024



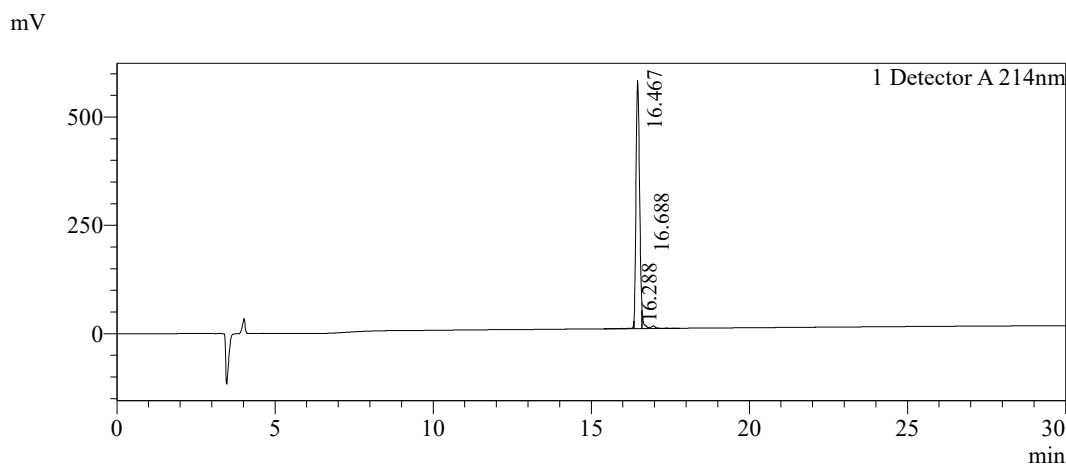
### Sample Information

Order ID	:MTFA31173-1
Name	:Head activator
Sequence	:pE-PPGGSKVILF (Acetate Salt)
Lot. No	:MTFA31173-1-0327
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	: 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

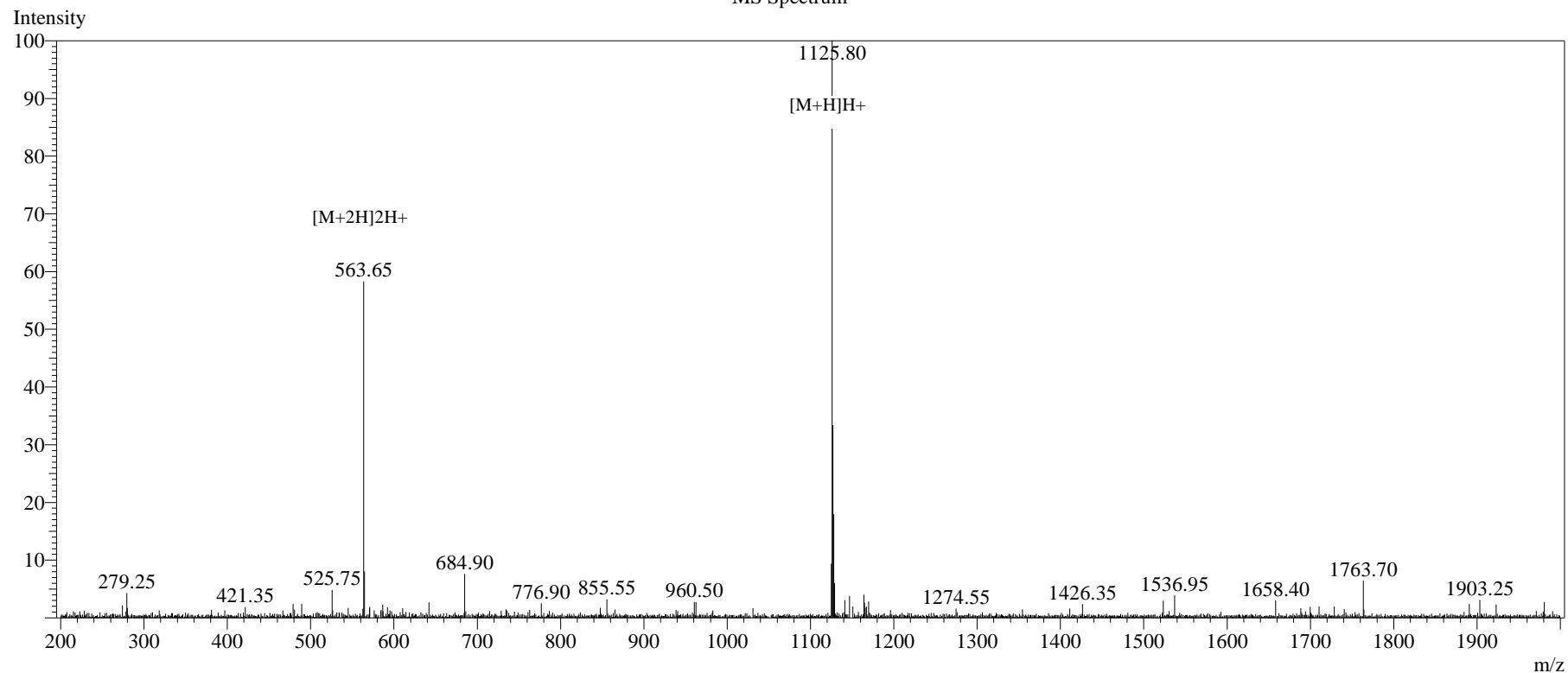


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	16.288	39558	864	0.839
2	16.467	4502883	573055	95.507
3	16.688	172286	8689	3.654
Total		4714726	582608	100.000

## MS Spectrum



## Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/04/12 13:52:44	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	:MTFA31173-1
Name	:Head activator
Sequence	:pE-PPGGSKVILF(Acetate Salt)
Lot.No	:MTFA31173-1-0327
Theoretical	:1225.34
Observed	:1224.80