Biomatik
Tel: (519) 489-7195, (800) 836-8089
Fax: (519) 231-0140, (877) 221-3515
Email: info@biomatik.com
http://www.biomatik.com

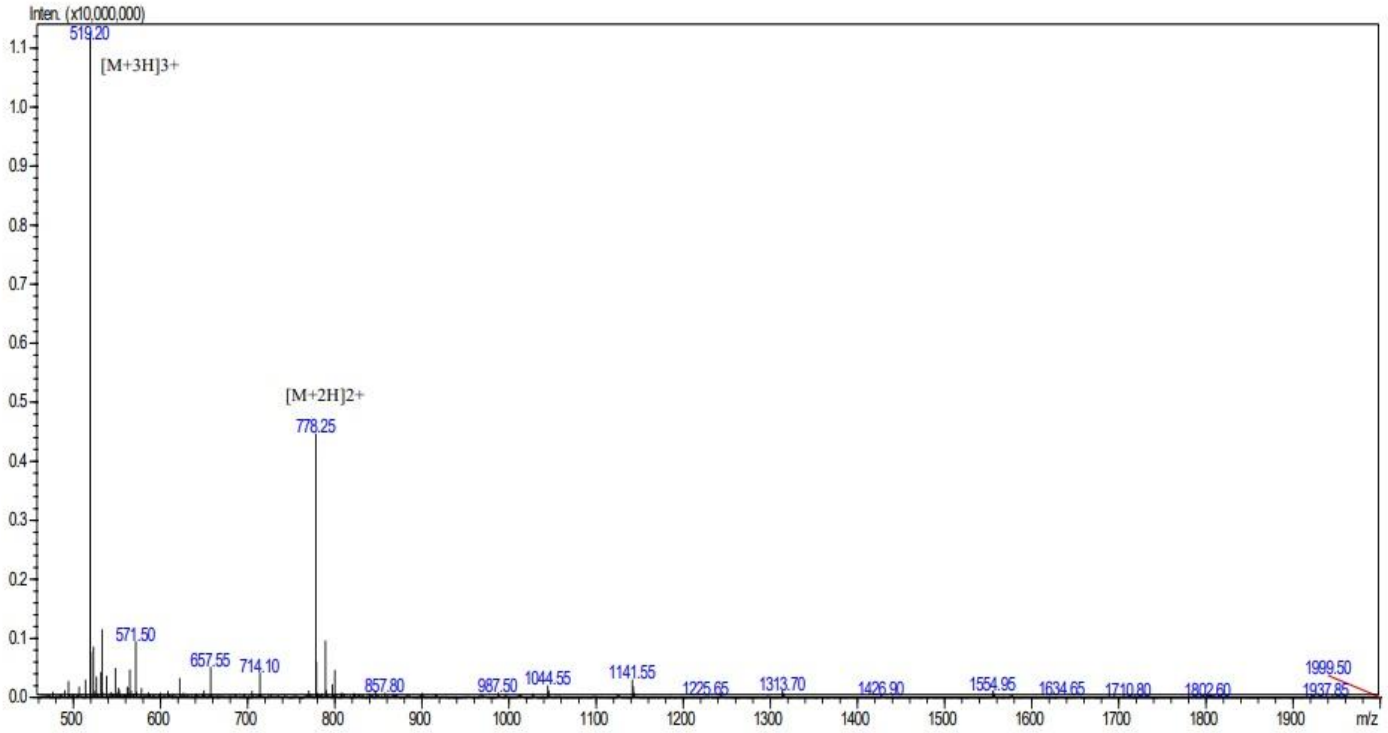
Certificate of Analysis

Date:	2025-
Order Number:	#SPXXXX
Product Type:	Chemically synthesized peptide
Catalog Number:	XXXXX
Peptide Name:	Pep45-1
Sequence (N to C):	KIATPGSTSRHSGQK
MW:	1554.71
Salt Form:	Trifluoroacetate (TFA Salt)
Quantity:	5.2mg
Suggested Solvent:	1.0mg peptide soluble in 0.05ml DMSO
Lot Number:	ABCDE-FGHIJKL
Appearance:	White lyophilized powder.
Storage:	Store lyophilized peptide at -20°C upon receipt. Reconstitute only the amount of peptide needed for immediate use.
Limited Usage:	For Research Use Only. Not for use in diagnostic procedures, or for administration to humans or animals.

ASSAY	**SPECIFICATION**	**ACTUAL**
MW by MS	1554.60	Conforms
Purity by HPLC	>95%	96.06%
Peptide Content	N/A	N/A
TFA Content	N/A	N/A
Moisture Content	N/A	N/A

Biomatik
Tel: (519) 489-7195, (800) 836-8089
Fax: (519) 231-0140, (877) 221-3515
Email: info@biomatik.com
http://www.biomatik.com

MS REPORT



Acquired by	:Shen		
Data Acquired	:		
Injection Volume	: 1		
Sample Name	: Pep45-1 KK-15		
Mw	: 1554.71		
Lot No.	:		
Probe	:ESI	Probe bias	:+4.5kv
Nebulizer Gas Floe	:1.5L/min	Detector	:1.2kv
CDL	:-20.0v	T.Flow	:0.2ml/min
CDL Temp	:250℃	B.conc	:50%H2O/50%ACN
Block Temp	:400℃		

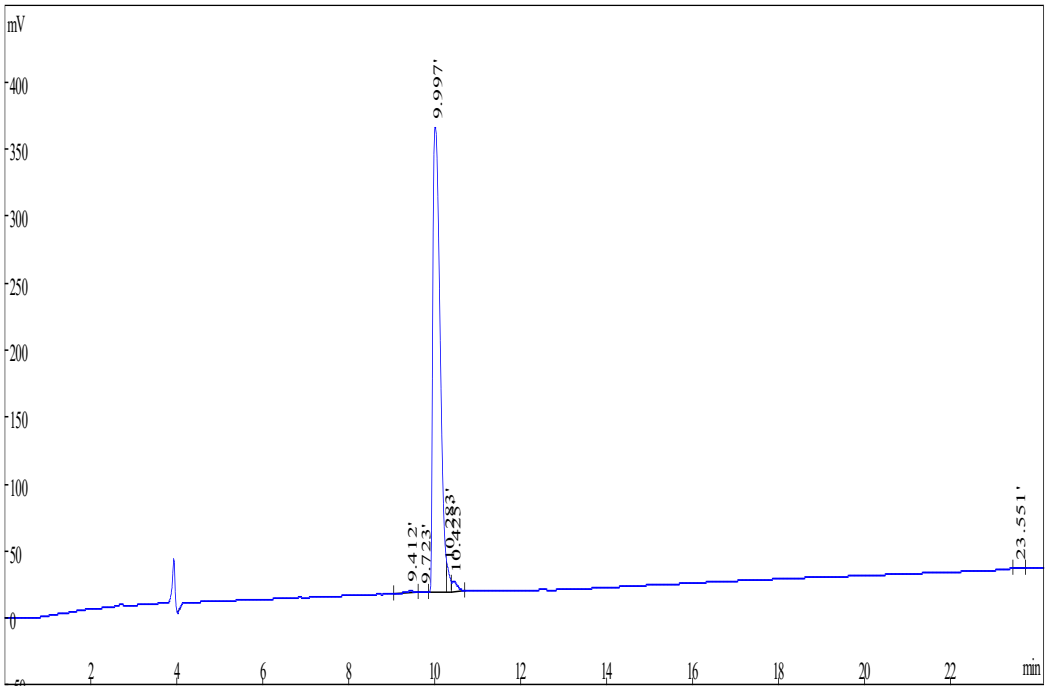
Biomatik
Tel: (519) 489-7195, (800) 836-8089
Fax: (519) 231-0140, (877) 221-3515
Email: info@biomatik.com
http://www.biomatik.com

HPLC REPORT

Structure: Pep45-1 KK-15
Lot NO: ABCDE-FGHIJKL
Number: 0200049
Column: 250*4.6mm, Kromasil-C18-5um
Solvent A: 0.1%TFA in 100%water
Solvent B: 0.1%TFA in 100%acetonitrile

Gradient:	A	B
0.1min	91%	9%
25.0min	66%	34%
25.1min	0%	100%
30.0min	stop	

Flow rate: 1.0ml/min
Wavelength(nm): 220
Volume: 10ul



Rank	Time	Conc.	Area	Height
1	9.412	0.6512	25241	2151
2	9.723	0.1715	6646	814
3	9.997	96.06	3723108	346609
4	10.283	1.539	59663	16543
5	10.425	1.513	58653	7560
6	23.551	0.06712	2601	268
Total		100	3875912	373945