

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

SKU: GS0038

Lot: A073

Package size: 0.1 mg

Protein: Histone H2B (NP_778225; Uniprot Q8N257) (O-GlcNAc S36)

Species: *Homo sapiens*

Peptide Sequence (N-Term C-Term): Ac- CKR GRK E S(O-GlcNAc) Y SIY VYK-OH

Peptide Name: GP-103

Backbone:

1A 280 [mg/mL]*	0.5	MW [g·mol ⁻¹]	2125.6	QC (MS & HPLC-RP)	Passed
Charged at pH 7*	3.99	Found M+H [g·mol ⁻¹]	2126		
Isoelectric Point*	11.6	Ext. coeff. [l·mol ⁻¹ ·cm ⁻¹]*	3960		
Counter Ions	Trifluoroacetate	% Peak Area by HPLC	≥ 90%	STORAGE CONDITIONS:	
		Found % Peak Area by HPLC	98%	-20°C	

*Theoretical values without modifications

Purification(s)

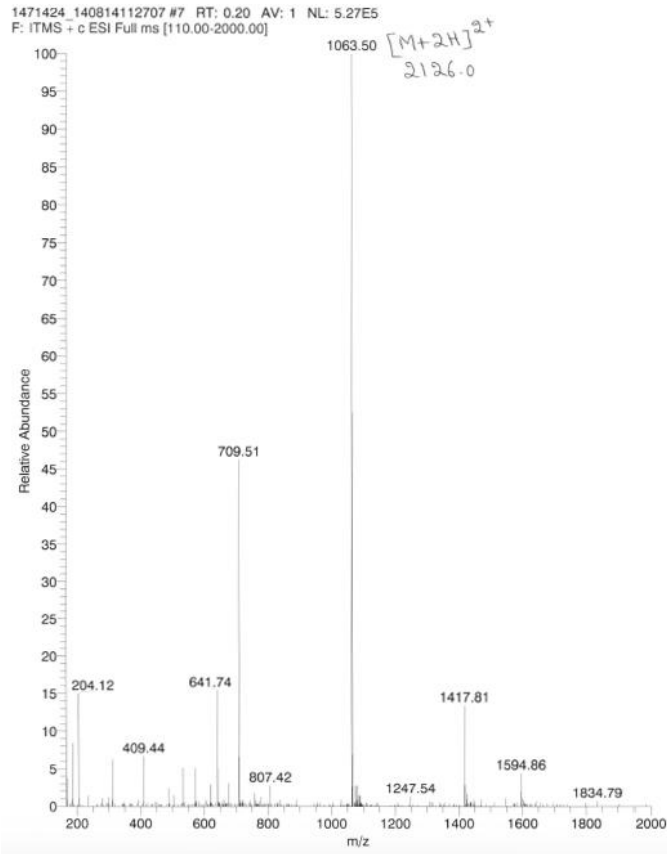
HPLC-RP

Peptide Reconstitution and storage

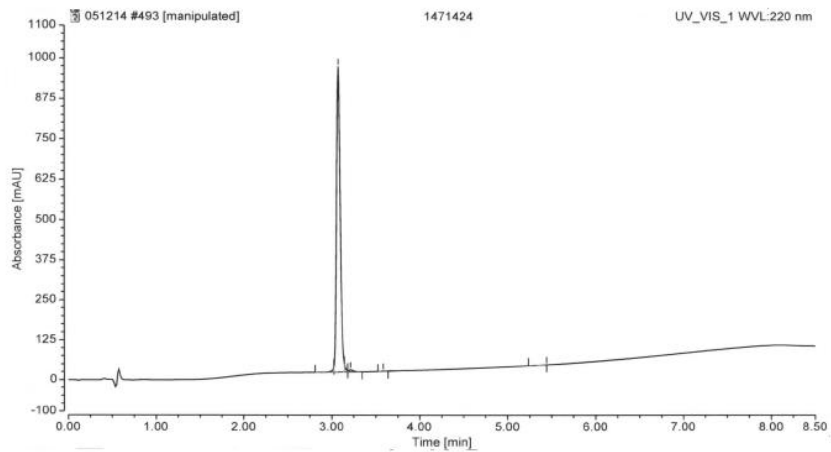
Please equilibrate the vial to room temperature prior opening.

Dissolve peptide in small volume of pure water before adding the desired buffer. Sonication may help dissolution in water. Addition of small amount of aqueous acetic acid for a basic peptide, or aqueous ammonia for acidic peptide could be necessary.

Reconstituted peptides can be stored frozen at -20°C for a very short period but please note that repeated freeze-thaw cycles have to be avoided.



Mass Spec. Data to analyze identity and homogeneity of GP-103 glycopeptide.



HPLC-RP chromatogram of purified GP-103 glycopeptide.