

## CERTIFICATE OF ANALYSIS

### GENERAL INFORMATION

SKU: GS0034

Lot: A069

Package size: 0.1 mg

**Protein:** Histone H2A (NP\_066390; Uniprot P04908) (O-GlcNAc T101)

**Species:** *Homo sapiens*

**Peptide Sequence (N-Term C-Term):** Ac- CKLLGRVT(O-GlcNAc)IAQGG – OH

**Peptide Name:** GP-101

**Backbone:**

1A 280 [mg/mL]*	10.5	MW [g·mol <sup>-1</sup> ]	1560.9	QC (MS & HPLC-RP)	Passed
Charged at pH 7*	2	Found M+H [g·mol <sup>-1</sup> ]	1561.7	Appearance:	White Powder
Isoelectric Point*	11.53	Ext. coeff. [l·mol <sup>-1</sup> ·cm <sup>-1</sup> ]*	120		
Counter Ions	Trifluoroacetate	% Peak Area by HPLC	≥ 90%	<b>STORAGE CONDITIONS:</b>	
		Found % Peak Area by HPLC	97%	-20°C	

\*Theoretical values without modifications

**Purification(s)**

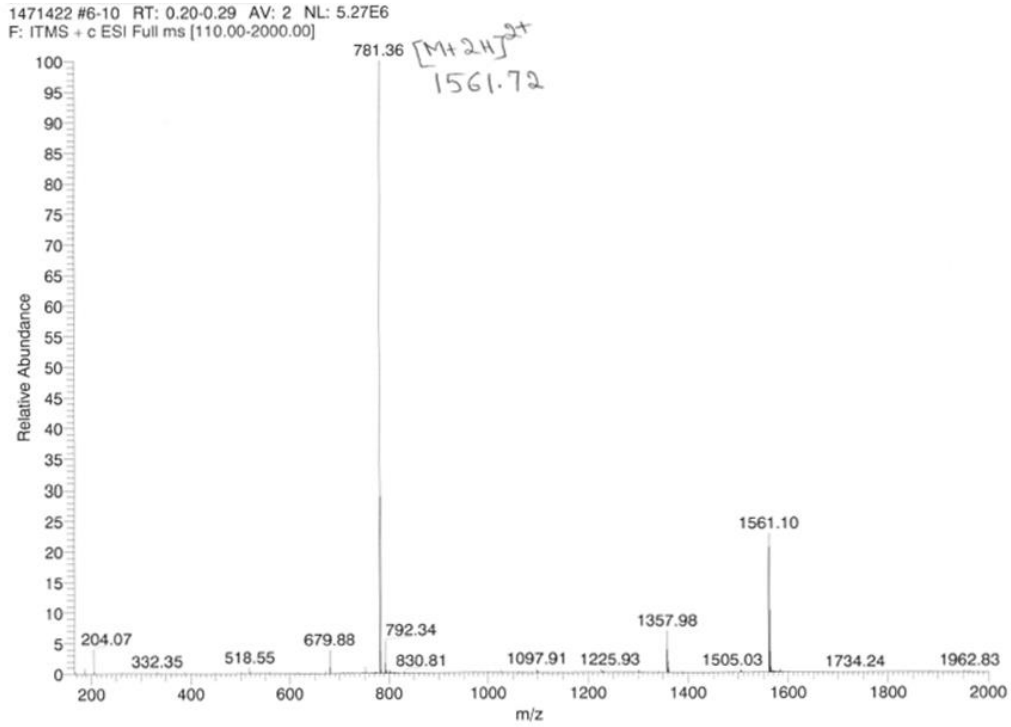
HPLC-RP

**Peptide Reconstitution and storage**

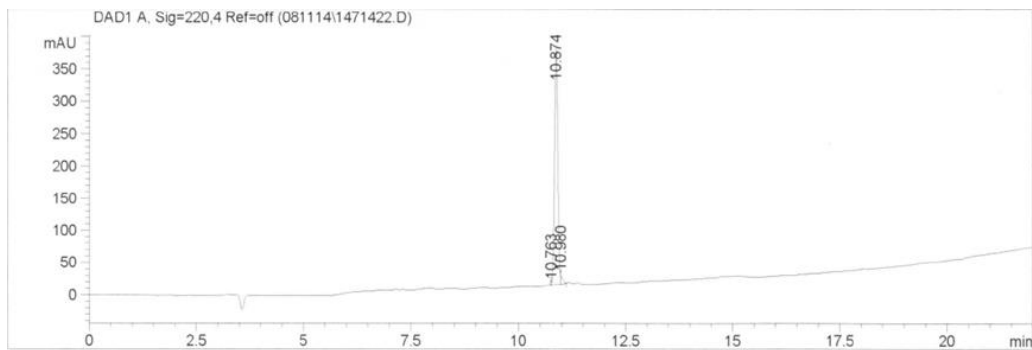
Please equilibrate the vial to room temperature prior opening.

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-101 glycopeptide.



HPLC-RP chromatogram of purified GP-101 glycopeptide.