

## CERTIFICATE OF ANALYSIS

### GENERAL INFORMATION

SKU: GS0133

Lot: A196

Package size: 0.1 mg

**Protein:** Histone H2A (NP\_066390; Uniprot P04908) (O-GlcNAc S40)

**Peptide Sequence (N-Term C-Term):** Ac- CRKGNYS(O-GlcNAc)ERVGA -OH

**Peptide Name:** GP-175

**Backbone:**

1A 280 [mg/mL]*	1.1	MW [g·mol <sup>-1</sup> ]	1584.9	QC (MS & HPLC-RP)	Passed
Charged at pH 7*	2.2	Found M+H [g·mol <sup>-1</sup> ]	1585.7		
Isoelectric Point*	11.4	% Peak Area by HPLC	≥ 90%	<b>STORAGE CONDITIONS:</b>	
Counter Ions	Trifluoroacetate	Found % Peak Area by HPLC	92%	-20°C	

\*Theoretical values without modifications

**Purification(s)**

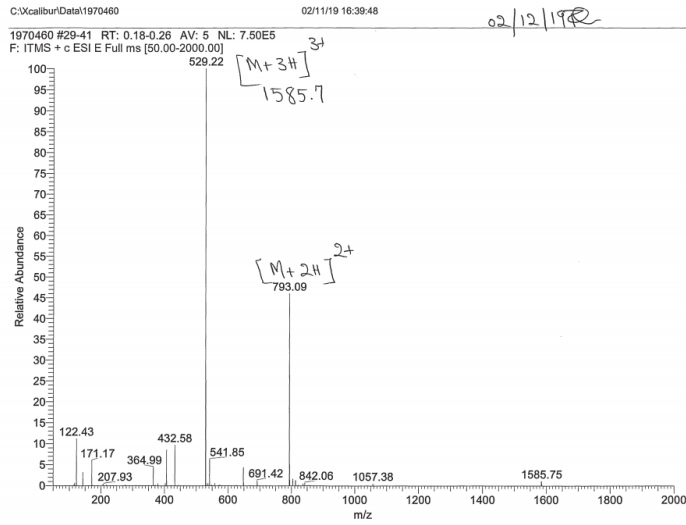
HPLC-RP

**Peptide Reconstitution and storage**

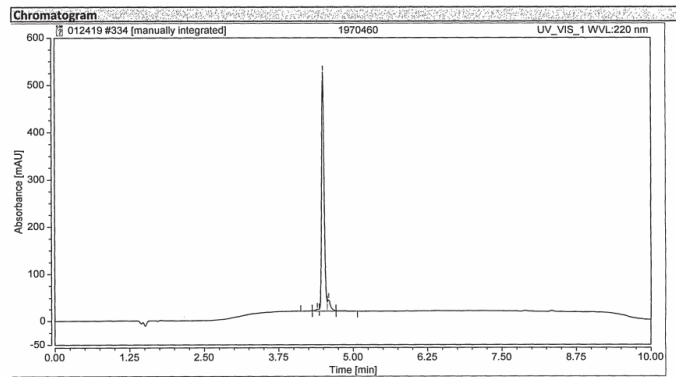
Please equilibrate the vial to room temperature prior opening.

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-175 peptide.



HPLC-RP chromatogram of purified GP-175 peptide.