Histone H3 R2Me2a, K4Me3 Peptide, Biotinylated

Catalog No. 12-0070
Lot No. 16019001
Quantity 50 µg

Product Description:
A synthetic peptide derived from human histone H3.1, amino acids 1-20, containing an asymmetric dimethyl arginine at position 2 and trimethylated at lysine 4, with an added lysine residue containing a biotin moiety at the epsilon-amino group, and a C-terminal amide group ($CONH_2$).

Formulation:
50 µg of lyophilized powder.

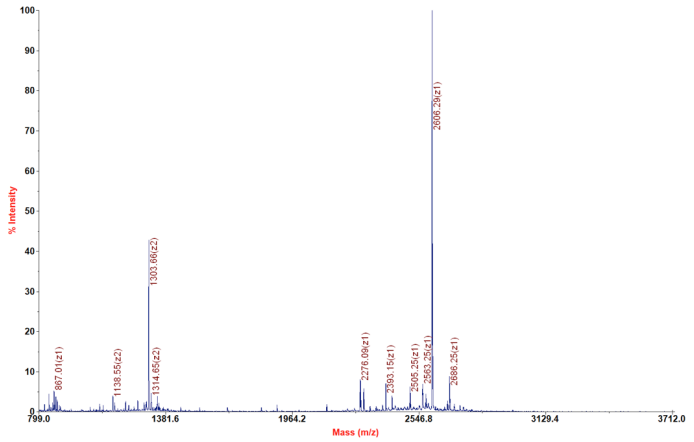
Sequence:
AR(Me2a)TK(Me3)QTARKSTGGKAPRKQL-K(Biot)-NH_2

Molecular Weight:
2608.1 Da

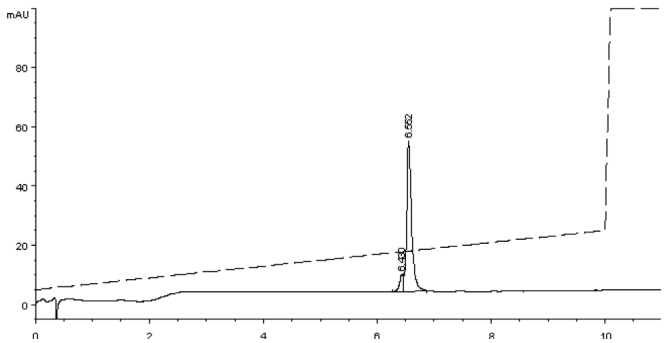
Purity:
>91.8% as judged by HPLC and mass spectrometry.

Storage and Stability:
Lyophilized peptides are stable for 2 years at -20°C from date of shipment. Peptides in solution are stable for 6 months at -80°C. Spin vial briefly in microfuge and reconstitute with sterile distilled water and vortex briefly until resuspended. Aliquot peptide to avoid repeated freezing and thawing.

References:
Fuchs SM et al (2011). *Curr Biol* 21: 53-58.



Mass Spec Data: MALDI-TOF mass spectrometry was used to analyze histone H3 R2Me2a, K4Me3 peptide for identity and homogeneity.



HPLC Data: Reversed phase analytical HPLC chromatogram of purified histone H4 R2Me2a, K4Me3 peptide.