Product Data Sheet

Product Name:	[Lys(Me_2)^{27}, Lys(Me_1)^{36}]-Histone H3 (21-44)-GK(Biotin), H3K27(Me2)K36(Me1), biotin-labeled
Catalog Number:	AS-65449-1 (1 mg) Lot Number: See label on vial
Sequence:	H-Ala-Thr-Lys-Ala-Ala-Arg-Lys(Me2)-Ser-Ala-Pro-Ala-Thr-Gly-Gly-Val-Lys(Me1)-Lys-Pro-His-Arg-Tyr-Arg-Pro-Gly-Gly-Lys(Biotin)-OH ATKAAR-K(Me2)-SAPATGGV-K(Me1)-KPHRYRPGG-K(Biotin)
Molecular Weight:	2959.5
Peptide Purity:	Peak Area by HPLC ≥95%
Storage:	This peptide is shipped at ambient temperature. Upon receipt, store lyophilized peptide at –20°C or lower. Reconstituted peptide can be aliquoted and stored at –20°C or lower.
Description:	This peptide is Histone 3, with amino acid residues 21 to 44. It is dimethylated at Lys27 and monomethylated Lys36, with a C-terminal G linker followed by a biotinylated lysine. Histone methylation plays an important role in the regulation of chromatin structure and function.
References:	Jung, HR. et al. *Mol Cell Proteomics* **9**, 838 (2010).

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