

Histone H4 Peptide, tetra-acetylated, biotin conjugate

CATALOG #:	7144 - 01 100 µg 7144 - 1 1 mg
SOURCE:	Synthetic
PURITY:	≥ 95% by HPLC
MOLECULAR WEIGHT:	~ 2.73 kDa
FORM:	Lyophilized powder
FORMULATION:	Peptide was dissolved in distilled water at 1 mg/ml and re-lyophilized to powder form
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in 1 ml/mg dH ₂ O. Avoid freezing and thawing cycles. Store at -20°C for 6 months.
STORAGE CONDITIONS:	Stable for 6 months at -20°C.
DESCRIPTION:	Histone H4 is one of the core components of the nucleosome. Lysine N-acetylation is a dynamic, reversible and tightly regulated histone modification that plays a major role in chromatin remodeling and in the regulation of gene expression in various cellular functions. Acetylation of histone H4 can occur at several different lysine positions in the histone tail, and is performed by Histone Acetyltransferases (HATs). Acetylation of histones is often associated with transcriptional activation. This synthetic peptide is tetra-acetylated and has a biotinylated lysine at the C-terminus.
AMINO ACID SEQUENCE:	SGRG-K(Ac)-GG-K(Ac)-GLG-K(Ac)-GGA-K(Ac)-RHRKVGG-K(Biotin)
KEY APPLICATIONS:	The suggested applications include Immunoprecipitation, affinity precipitation, and as substrate for histone modified enzymes, etc.

RELATED PRODUCTS:

- Histone H3 Peptide-Biotin Conjugate (Cat. No. 2233-01, -1)
- Histone H3 peptide-Biotin Conjugate (Cat. No. 7143-01, -1)
- Histone H2A Antibody (Cat. No. 3621-100)
- Histone H2AX Antibody (Cat. No. 3761-100)
- Histone H2B Antibody (Cat. No. 3622-100)
- Histone H3 Antibody (Cat. No. 3623-100)
- Histone H4 Antibody (Cat. No. 3624-100)
- Histone Protein (Cat. No. 1136-10)
- Histone H2A (1-129 aa), Xenopus recombinant (Cat. No. 7668-100, -250)
- Histone H3 (1-136 aa), Human recombinant (Cat. No. 7670-100, -250)
- Histone H4 (1-103 aa), Human recombinant (Cat. No. 7671-100, -250)
- Histone Methyltransferase (SUV39H1) Antibody (Cat. No. 3942-100)
- Acetyl-Histone H2A Antibody (Cat. No. 3653-100)
- Acetyl-Histone H2B Antibody (Cat. No. 3654-100)
- Acetyl-Histone H4 Antibody (Cat. No. 3656-100)

FOR RESEARCH USE ONLY! Not to be used on humans.