

## Histone H3 Peptide, biotin conjugate

<b>CATALOG #:</b>	7143 - 01      100 µg 7143 - 1            1 mg
<b>SOURCE:</b>	Synthetic
<b>PURITY:</b>	≥ 95% by HPLC
<b>MOLECULAR WEIGHT:</b>	2.7643 kDa
<b>FORM:</b>	Lyophilized powder
<b>FORMULATION:</b>	Peptide was dissolved in distilled water at 1 mg/ml and re-lyophilized to powder form
<b>RECONSTITUTION:</b>	Centrifuge the vial prior to opening. Reconstitute in 1 ml/mg dH <sub>2</sub> O. Avoid freezing and thawing cycles. Store at -20°C for 6 months.
<b>STORAGE CONDITIONS:</b>	Stable for 6 months at -20°C.
<b>DESCRIPTION:</b>	This peptide is Histone H3 amino acid residues 1-21. It is acetylated at lysine 18 with a C-terminal GG linker followed by a biotinylated lysine. The acetylation of histone H3 at lysine 18 is used to predict prostate cancer recurrence and clinical outcome of patients with both lung and kidney cancer.
<b>AMINO ACID SEQUENCE:</b>	One letter code: ARTKQTARKSTGGKAPR-K(Ac)-QLA-GGK(Biotin)-NH <sub>2</sub> Three letter code: H - Ala - Arg - Thr - Lys - Gln - Thr - Ala - Arg - Lys - Ser - Thr - Gly - Gly - Lys - Ala - Pro - Arg - Lys(Ac) - Gln - Leu - Ala - Gly - Gly - Lys(Biotin) - NH <sub>2</sub>
<b>KEY APPLICATIONS:</b>	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 H4 peptide-Biotin Conjugate (**Cat. No. 7144-01, -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.**