

# Histone H2B Peptide

<b>CATALOG #:</b>	7146 - 1      1 mg 7146 - 5      5 mg
<b>SOURCE:</b>	Synthetic
<b>PURITY:</b>	≥ 98% by HPLC
<b>MOLECULAR WEIGHT:</b>	~ 2.12 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 1 mg/ml in dH <sub>2</sub> O. Avoid repeated freeze-thaw cycles. Store at -20° C for 6 months. For use with BioVision assays K334-100, K336-100 or K346-100, reconstitute H2B peptide in assay buffer at 20 mg/ml concentration and use 2 µl/assay.
<b>STORAGE CONDITIONS:</b>	Stable for 6 months at -20° C.
<b>DESCRIPTION:</b>	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H2B family. Transcripts from this gene contain a palindromic termination element. This synthetic peptide covers 1-21 amino acids of the protein.
<b>AMINO ACID SEQUENCE:</b>	PEPSKSAPAPKKGSKKAITKA
<b>KEY APPLICATIONS:</b>	The suggested applications include usage as a substrate for histone modified enzymes, HAT assays (K334-100, K336-100, K346-100), Immunoprecipitation, affinity precipitation, etc.

## RELATED PRODUCTS:

- Histone H2A Peptide (**Cat. No. 7145-1, -5**)
- 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**)
- HAT Activity Fluorometric Assay Kit (**Cat. No. K334-100**)
- HAT (H4) Activity Fluorometric Assay Kit (**Cat. No. K336-100**)
- p300 Inhibitor Screening Assay Kit (Fluorometric) (**Cat. No. K346-100**)

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