

Histone H2A Peptide

CATALOG #:	7145 - 1 1 mg 7145 - 5 5 mg
SOURCE:	Synthetic
PURITY:	≥ 98% by HPLC
MOLECULAR WEIGHT:	~ 2.08 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 1 mg/ml in dH ₂ 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 H2A peptide in assay buffer at 20 mg/ml concentration and use 2 µl/assay.
STORAGE CONDITIONS:	Stable for 6 months at -20° C.
DESCRIPTION:	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. This synthetic peptide covers 1-20 amino acids of the protein. H2A has lately been found to be efficient in DNA delivery into a number of cell lines.
AMINO ACID SEQUENCE:	SGRGKQGKARAKAKTRSSR.
KEY APPLICATIONS:	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 H2B Peptide (**Cat. No. 7146-1, -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.