

Recombinant Cairina moschata Histone H2B

Catalog No: #AP71107

Package Size: #AP71107-1 20ug #AP71107-2 100ug #AP71107-3 1mg

Description

Product Name	Recombinant Cairina moschata Histone H2B
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-93aaSequence Info:Full Length
Accession No.	P14001
Calculated MW	14.3 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	PEPAKSAPAPKKGSKKAVTKTQKKGDKKRKKSRKESYSIYVYKVLKQVHPDTGISSKAMGIMNSFVNDIFERIA GEASRLAHYNKRSTISR
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

References

Conserved organization of an avian histone gene cluster with inverted duplications of H3 and H4 genes.Toenjes R., Munk K., Doenecke D.J. Mol. Evol. 28:200-211(1989)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.