

Histone H2B.1, Recombinant Protein

Cat RP16640

Size 0.02 mg (E-Coli)/0.1 mg (E-Coli)/0.02 mg (Yeast)/0.1 mg (Yeast)/0.02 mg (Baculovirus)/0.02 mg (Mammalian-Cell)/1 mg

Species (E-Coli)/0.1 mg (Baculovirus)/1 mg (Yeast)/0.1 mg (Mammalian-Cell)/1 mg (Baculovirus)/0.5 mg (Mammalian-Cell)
Triticum aestivum (Wheat)

Full Product Name

Recombinant Triticum aestivum Histone H2B.1

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

APKAEKKPAA KKPAAEEEPAA EKA EKTPAGK KPKA EKRLPA GKSAAKEGGD KKGKKKAKKS VETYKIYIFK
VLKQVHPDIG ISSKAMSIMN SFINDIFEKL AGEAAKLARY NKKPTITSRE IQTSVRLVLP GELAKHAVSE
GTKAVTKFTS S

Sequence Positions

2-152, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

16,433 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

Histone

NCBI Accession

P27807.3

NCBI GI

122022

NCBI Official Full Name

Histone H2B.1

UniProt Protein Name

Histone H2B.1

UniProt Primary Accession

P27807

UniProt Comments

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(Yeast)/0.02 mg (Baculovirus)/0.02 mg (Mammalian-Cell)/1 mg

(E-Coli)/0.1 mg (Baculovirus)/1 mg (Yeast)/0.1 mg (Mammalian-Cell)/1 mg (Baculovirus)/0.5 mg (Mammalian-Cell)

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

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