

Histone H2B.8 (H2B.8), Recombinant Protein

Cat RP12602

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

Species mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Oryza sativa subsp. indica (Rice)
Cell)

Full Product Name

Recombinant Oryza sativa subsp. indica Histone H2B.8 (H2B.8)

Product Gene Name

H2B.8 recombinant protein

Purity

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

Sequence

APKAEKKPAA KKPAAEEEPAA EKA EKAPAGK KPKA EKRLPA GKGEKGS GEG KKAGRKKAKK SVETYKIYIF
KVLKQVHPDI GISSKAMSIM NSFINDIFEK LAGESAKLAR YNKKPTITSR EIQTAVRLVL PGELAKHAVS
EGTKAVTKFT SS

Sequence Positions

2-153, 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

16,488 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

A2WKS5.1

NCBI GI

152032520

NCBI Official Full Name

Histone H2B.8

UniProt Gene Name

H2B.8

UniProt Protein Name

Histone H2B.8

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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UniProt Primary Accession #
A2WKS5 *mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

UniProt Comments

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.

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