Histone H2B.7 (H2B.7), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP12848*

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

Species
Oryza sativa subsp. japonica (Rice)

Full Product Name
Recombinant Oryza sativa subsp. japonica Histone H2B.7 (H2B.7)

Product Gene Name
H2B.7 recombinant protein

Product Synonym Gene Name
H2B.7

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

Sequence
APKAEKKPAA KKPAEEEPAA EKAEKAPAGK KPKAEKRLPA GKGEKGSGEG KKAGRKKGKK SVETYKIYIF KVLKQVHPDI GISSKAMSIM NSFINDIFEK LAGESAKLAR YNKKPTITSR EIQTSVRLVL PGELAKHAVS EGTKAVTKFT SA

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
16,474 Da

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

Protein Family
Histone

NCBI Accession
XP_015621244.1

NCBI GI
1002234077

NCBI GenBank Nucleotide
XM_015765758.1

NCBI GeneID
4324500

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI Official Full Name
histone H2B.7

NCBI Official Symbol
LOC4324500

NCBI Official Synonym Symbols
H2B.7; OsH2B

NCBI Protein Information
histone H2B.7

UniProt Gene Name
H2B.7

UniProt Synonym Gene Names
OsH2B

UniProt Protein Name
Histone H2B.7

UniProt Primary Accession
Q7GBK0

UniProt Secondary Accession
Q9LGH6; A0A0P0UYG0

UniProt Related Accession
Q7GBK0

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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