Histone H2b.2 (H2b.2) (H2B.2) Oryza Sativa Subsp. Indica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Histone H2B.2 (H2B.2), Recombinant Protein
Full Product Name	Recombinant Oryza sativa subsp. indica Histone H2B.2 (H2B.2)
Product Gene Name	H2B.2 recombinant protein
Sequence	APKAEKKPAE KKPAEEKAGE KAPAAGKKPK AEKRLPASKG EKGGEGKKER GRKKAKKSVE TYKIYIFKVL KQVHPDIGIS SKAMSIMNSF INDIFEKLAG EAAKLARYNK KPTITSREIQ TSVRLVLPGE LAKHAVSEGT KAVTKFTSS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	16,334 Da
Sequence Positions	2-150, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for A2YWI3
Species	Oryza sativa subsp. indica (Rice)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for H2B.2 recombinant protein	MBS1162639 is a recombinant protein targeting H2B.2. Also known as Recombinant Oryza sativa subsp. indica Histone H2B.2 (H2B.2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of H2B.2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for H2B.2. It may not necessarily be applicable to this product.

NCBI GI #	152032514
NCBI Accession #	A2YWI3.1
UniProt Primary Accession #	A2YWI3
NCBI Official Full Name	Histone H2B.2
UniProt Protein Name	Histone H2B.2
UniProt Gene Name	H2B.2

UniProt Comments for H2B.2	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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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