Histone H2b.5 (AT3G09480) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Histone H2B.5 (At3g09480), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Histone H2B.5 (At3g09480)
Product Gene Name	At3g09480 recombinant protein
Product Synonym Gene Name	At3g09480
Sequence	APKAEKKPSE KAPKADKKIT KEGGSERKKK TKKSTETYKI YLFKVLKQVH PDIGISGKAM GIMNSFINDT FEKIALESSR LARYNKKPTI TSREIQTAVR LVLPGELAKH AVSEGTKAVT KFTSS
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	13,967 Da
Sequence Positions	2-126, 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 Q9SF55
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for At3g09480 recombinant protein	MBS1343267 is a recombinant protein targeting At3g09480. Also known as Recombinant Arabidopsis thaliana Histone H2B.5 (At3g09480). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of At3g09480 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 At3g09480. It may not necessarily be applicable to this product.

NCBI GI #	15232689
NCBI GeneID	820105
NCBI Accession #	NP_187559.1
UniProt Primary Accession #	Q9SF55
UniProt Related Accession #	Q9SF55
GenBank Nucleotide #	NM_111782.3

NCBI Official Full Name	Histone superfamily protein
NCBI Official Symbol	AT3G09480
UniProt Protein Name	Histone H2B.5
UniProt Synonym Protein Names	HTB7
UniProt Gene Name	At3g09480
NCBI Protein Information	Histone superfamily protein
UniProt Comments for At3g09480	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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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