Histone H4 (AT1G07660) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Histone H4 (At1g07660), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Histone H4 (At1g07660)
Product Gene Name	At1g07660 recombinant protein
Sequence	SGRGKGGKGL GKGGAKRHRK VLRDNIQGIT KPAIRRLARR GGVKRISGLI YEETRGVLKI FLENVIRDAV TYTEHARRKT VTAMDVVYAL KRQGRTLYGF GG
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	11,409 Da
Sequence Positions	2-103, 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 P59259
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for At1g07660 recombinant protein	MBS1230347 is a recombinant protein targeting At1g07660. Also known as Recombinant Arabidopsis thaliana Histone H4 (At1g07660). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of At1g07660 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 At1g07660. It may not necessarily be applicable to this product.

NCBI GI #	1063742269
NCBI GeneID	836119
NCBI Accession #	NP_001332089.1
UniProt Primary Accession #	P59259
UniProt Secondary Accession #	P02308
UniProt Related Accession #	P59259
GenBank Nucleotide #	NM_001345379.1

NCBI Official Full Name	Histone superfamily protein
NCBI Official Symbol	AT5G59970
NCBI Official Synonym Symbols	MMN10.3
UniProt Protein Name	Histone H4
UniProt Gene Name	At1g07660
NCBI Protein Information	Histone superfamily protein
UniProt Comments for At1g07660	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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