Histone H2a.v (h2afv) Xenopus Laevis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Histone H2A.V (h2afv), Recombinant Protein
Full Product Name	Recombinant Xenopus laevis Histone H2A.V (h2afv)
Product Gene Name	h2afv recombinant protein
Product Synonym Gene Name	h2afv
Sequence	AGGKAGKDSG KAKAKAVSRS QRAGLQFPVG RIHRHLKTRT TSHGRVGATA AVYSAAILEY LTAEVLELAG NASKDLKVKR ITPRHLQLAI RGDEELDSLI KATIAGGGVI PHIHKSLIGK KGQQKTA
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	13,509 Da
Sequence Positions	2-128, 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 Q6GM74
Species	Xenopus laevis (African clawed frog)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for h2afv recombinant protein	MBS1369438 is a recombinant protein targeting h2afv. Also known as Recombinant Xenopus laevis Histone H2A.V (h2afv). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of h2afv 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 h2afv. It may not necessarily be applicable to this product.

NCBI GI #	148235614
NCBI GeneID	444541
NCBI Accession #	NP_001086112.1
UniProt Primary Accession #	Q6GM74
UniProt Related Accession #	Q6GM74
GenBank Nucleotide #	NM_001092643.1

NCBI Official Full Name	histone H2A.V
NCBI Official Synonym Full Names	H2A histone family member V S homeolog
NCBI Official Symbol	h2afv.S
NCBI Official Synonym Symbols	h2av; h2afv; h2AZ.2; h2afv.L
UniProt Protein Name	Histone H2A.V
UniProt Synonym Protein Names	H2A.F/Z
Protein Family	Histone
UniProt Gene Name	h2afv
NCBI Protein Information	histone H2A.V
UniProt Comments for h2afv	Variant histone H2A which replaces conventional H2A in a subset of nucleosomes. 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. May be involved in the formation of constitutive heterochromatin. May be required for chromosome segregation during cell division ().
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