Histone H3 Tigriopus Californicus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Histone H3, Recombinant Protein
Full Product Name	Recombinant Tigriopus californicus Histone H3
Sequence	ARTKQTARKS TGGKAPRKQL ATKAARKSAP ATGGVKKPHR YRPGTVALRE IRRYQKSTEL LIRKLPFQRL VREIAQDFKT DLRFQSSAVM ALQEASEAYL VGLFEDTNLC AIHAKRVTIM PKDIQLARRI RGERA
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	15,388 Da
Sequence Positions	2-136, 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 P84237
Species	Tigriopus californicus (Marine copepod)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Histone H3 recombinant protein	MBS1202355 is a recombinant protein targeting Histone H3. Also known as Recombinant Tigriopus californicus Histone H3. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Histone H3 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 Histone H3. It may not necessarily be applicable to this product.

NCBI GI #	55977052
NCBI Accession #	P84237.2
UniProt Primary Accession #	P84237
UniProt Secondary Accession #	P02295; P02297; P16105; P17269; P17320
NCBI Official Full Name	Histone H3
UniProt Protein Name	Histone H3
Protein Family	Histone H3-like centromeric protein

UniProt Comments for Histone H3	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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