Histone H3 (H3) Guillardia Theta Recombinant Protein

PRODUCT OVERVIEW

Product Name	Histone H3, Recombinant Protein
Full Product Name	Recombinant Guillardia theta Histone H3
Product Gene Name	H3 recombinant protein
Sequence	ARTKQTARKT VGGDINSRIS EKRAKSDNSK NIDLKKVHRY KPGTVALREI RKYQKSTNLL IRKLPFQRLV RELAQDYKSD LRFQNSAVLA LQEASESYLV NLFEDTNLCA IHAKRVTIMP KDIYLARRIR GEMIF
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	15,810 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 Q98RY4
Species	Guillardia theta (Cryptomonas phi)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for H3 recombinant protein	MBS1338449 is a recombinant protein targeting H3. Also known as Recombinant Guillardia theta Histone H3. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of 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 H3. It may not necessarily be applicable to this product.

NCBI GI #	162606012
NCBI GeneID	857304
NCBI Accession #	XP_001713521.1
UniProt Primary Accession #	Q98RY4
UniProt Related Accession #	Q98RY4
GenBank Nucleotide #	XM_001713469.1
NCBI Official Full Name	Histone H3 (nucleomorph)

NCBI Official Symbol	H3
UniProt Protein Name	Histone H3
Protein Family	Tyrosine phosphatase
NCBI Protein Information	Histone H3
UniProt Comments for 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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Online datasheet: https://www.mybiosource.com/recombinant-protein/histone-h3/1338449