H1F0 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	H1F0, Lysate
Full Product Name	Human H1F0 Protein Lysate
Product Gene Name	H1F0 lysate
Product Synonym Names	H1F0; H10; H1FV
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	21kDa
OMIM	142708
3D Structure	ModBase 3D Structure for P07305
Related Product Information for H1F0 lysate	Human H1F0 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of H1F0 lysate 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.
Searchable Terms for H1F0 purchase	MBS8412722 is a lysate targeting H1F0. Also known as Human H1F0 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for H1F0. It may not necessarily be applicable to this product.

NCBI GI #	4885371
NCBI GeneID	3005
NCBI Accession #	NP_005309
UniProt Primary Accession #	P07305
UniProt Related Accession #	P07305
GenBank Nucleotide #	NM_005318
NCBI Official Full Name	histone H1.0
NCBI Official Synonym Full Names	H1 histone family member 0
NCBI Official Symbol	H1F0
NCBI Official Synonym Symbols	H10; H1FV
UniProt Protein Name	Histone H1.0
UniProt Synonym Protein Names	Histone H1'; Histone H1(0)
Protein Family	Histone

UniProt Gene Name	H1F0
UniProt Synonym Gene Names	H1FV
UniProt Entry Name	H10_HUMAN
NCBI Protein Information	histone H1.0
NCBI Summary for H1F0	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-independent histone that is a member of the histone H1 family. [provided by RefSeq, Oct 2015]
UniProt Comments for H1F0	H1F0: Histones H1 are necessary for the condensation of nucleosome chains into higher-order structures. The H1F0 histones are found in cells that are in terminal stages of differentiation or that have low rates of cell division. Belongs to the histone H1/H5 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 22q13.1 Cellular Component: nucleoplasm; Golgi apparatus; nuclear chromatin; nucleosome; nucleus; actin cytoskeleton Molecular Function: protein binding; chromatin DNA binding Biological Process: nucleosome assembly; apoptosis; DNA fragmentation during apoptosis; cell structure disassembly during apoptosis
Research Articles on H1F0	**1.** H1.X moves more rapidly than other linker histones in vivo Domain swapping between H1.0 and H1.X suggests that the globular domain (GD) and C-terminal domain (CTD) of H1.X independently contribute to the dynamic behavior of H1.X.
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