Helicase-Like Transcription Factor (HLTF) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Helicase-like transcription factor (HLTF), Recombinant Protein
Full Product Name	Recombinant Human Helicase-like transcription factor (HLTF) , partial
Product Gene Name	HLTF recombinant protein
Product Synonym Gene Name	HLTF
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	99,919 Da
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.
OMIM	603257
3D Structure	ModBase 3D Structure for Q14527
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for HLTF recombinant protein	This gene encodes a member of the SWI SNF family. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein contains a RING finger DNA binding motif. Two transcript variants encoding the same protein have been found for this gene. However, use of an alternative translation start site produces an isoform that is truncated at the N-terminus compared to the full-length protein.
Other Notes	Small volumes of HLTF 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.
Searchable Terms for HLTF purchase	MBS1484788 is a recombinant protein targeting HLTF. Also known as Recombinant Human Helicase-like transcription factor (HLTF) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

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

NCBI GI #	974576782
NCBI GeneID	6596
NCBI Accession #	NP_001305863.1
UniProt Primary Accession #	Q14527

UniProt Secondary Accession #	Q14536; Q16051; Q7KYJ6; Q86YA5; Q92652; Q96KM9; D3DNH3
UniProt Related Accession #	Q14527
GenBank Nucleotide #	NM_001318934.1
NCBI Official Full Name	helicase-like transcription factor isoform 2
NCBI Official Synonym Full Names	helicase like transcription factor
NCBI Official Symbol	HLTF
NCBI Official Synonym Symbols	ZBU1; HLTF1; RNF80; HIP116; SNF2L3; HIP116A; SMARCA3
UniProt Protein Name	Helicase-like transcription factor
UniProt Synonym Protein Names	DNA-binding protein/plasminogen activator inhibitor 1 regulator; HIP116; RING finger protein 80; RING-type E3 ubiquitin transferase HLTFCurated; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 3; Sucrose nonfermenting protein 2-like 3
Protein Family	Helicase-like transcription factor
UniProt Gene Name	HLTF
UniProt Synonym Gene Names	HIP116A; RNF80; SMARCA3; SNF2L3; ZBU1
NCBI Protein Information	helicase-like transcription factor
NCBI Summary for HLTF	This gene encodes a member of the SWI/SNF family. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein contains a RING finger DNA binding motif. Two transcript variants encoding the same protein have been found for this gene. However, use of an alternative translation start site produces an isoform that is truncated at the N-terminus compared to the full-length protein. [provided by RefSeq, Jul 2008]
UniProt Comments for HLTF	Has both helicase and E3 ubiquitin ligase activities. Possesses intrinsic ATP-dependent nucleosome-remodeling activity; This activity may be required for transcriptional activation or repression of specific target promoters (). These may include the SERPINE1 and HIV-1 promoters and the SV40 enhancer, to which this protein can bind directly. Plays a role in error-free postreplication repair (PRR) of damaged DNA and maintains genomic stability through acting as a ubiquitin ligase for 'Lys-63'-linked polyubiquitination of chromatin-bound PCNA.
Research Articles on HLTF	**1.** the present study does not provide any strong evidence that PAI-1 gene variants are implicated in the risk of DR or the development of DR during T2DM course.
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