Eukaryotic Translation Initiation Factor 3 Subunit H (EIF3H) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Eukaryotic translation initiation factor 3 subunit H (Eif3h), Recombinant Protein
Full Product Name	Recombinant Mouse Eukaryotic translation initiation factor 3 subunit H (Eif3h)
Product Gene Name	Eif3h recombinant protein
Product Synonym Gene Name	Eif3h
Sequence	MASRKEGTGS TATSSGSAGG AVGKGKGKGG SGDSAVKQVQ IDGLVVLKII KHYQEEGQGT EVVQGVLLGL VVEDRLEITN CFPFPQHTED DADFDEVQYQ MEMMRSLRHV NIDHLHVGWY QSTYYGSFVT RALLDSQFSY QHAIEESVVL IYDPIKTAQG SLSLKAYRLT PKLMEVCKEK DFSPEALKKA SITFEHMFEE VPIVIKNSHL INVLMWELEK KSAVADKHEL LSLASSNHLG KSLQLLMDRV DEMSQDIIKY NTYMRNTSKQ QQQKHQYQQR RQQENMQRQS RGEPPLPEED LSKLFKPHQA PARMDSLLIA GQINTYCQNI KEFTAQNLGK LFMAQALQEY NN
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	39,832 Da
Sequence Positions	1-352, 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 Q91WK2
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Eif3h recombinant protein	MBS1418921 is a recombinant protein targeting Eif3h. Also known as Recombinant Mouse Eukaryotic translation initiation factor 3 subunit H (Eif3h). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Eif3h 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 Eif3h. It may not necessarily be applicable to this product.

NCBI GI #	18079341
NCBI GeneID	68135
NCBI Accession #	NP_542366.1
UniProt Primary Accession #	Q91WK2
UniProt Related Accession #	Q91WK2

GenBank Nucleotide #	NM_080635.1
NCBI Official Full Name	eukaryotic translation initiation factor 3 subunit H
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 3, subunit H
NCBI Official Symbol	Eif3h
NCBI Official Synonym Symbols	40kD; Eif3s3; EIF3-P40; EIF3-gamma; 1110008A16Rik; 9430017H16Rik
UniProt Protein Name	Eukaryotic translation initiation factor 3 subunit H
UniProt Synonym Protein Names	Eukaryotic translation initiation factor 3 subunit 3
Protein Family	Eukaryotic translation initiation factor
UniProt Gene Name	Eif3h
UniProt Synonym Gene Names	Eif3s3; eIF3h
NCBI Protein Information	eukaryotic translation initiation factor 3 subunit H
UniProt Comments for Eif3h	Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAi and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression.
Research Articles on Eif3h	**1.** Identified of the first two alleles of eIF3h in an unbiased forward genetic screen for modifiers of epigenetic reprogramming in the mouse.
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