EIF3M cDNA Clone – Eukaryotic Translation Initiation Factor 3, Subunit M (Human)

PRODUCT OVERVIEW

Product Name	EIF3M, cDNA Clone
Full Product Name	EIF3M cDNA Clone
Product Gene Name	EIF3M cdna clone
Sequence	atgagcgtcc cggccttcat cgacatcagt gaagaagatc aggctgctga gcttcgtgct tatctgaaat ctaaaggagc tgagatttca gaagagaact cggaaggtgg acttcatgtt gatttagctc aaattattga agcctgtgat gtgtgtctga aggaggatga taaagatgtt gaaagtgtga tgaacagtgt ggtatcccta ctcttgatcc tggaaccaga caagcaagaa gctttgattg aaagcctatg tgaaaagctg gtcaaatttc gcgaaggtga acgcccgtct ctgagactgc agttgttaag caacctttc cacgggatgg ataagaatac tcctgtaaga tacacagtgt attgcagcct tattaaagtg gcagcatctt gtggggccat ccagtacatc ccaactgagc tggatcaagt tagaaaatgg atttctgact ggaatctcac cactgaaaaa aagcacaccc ttttaagact actttatgag gcacttgtgg attgtaagaa gagtgatgct gcttcaaaag tcatggtgga attgctcgga agttacacag aggacaatgc ttcccaggct cgagttgatg cccacaggtg tattgtacga gcattgaaag atccaaatgc atttcttttt gaccaccttc ttactttaaa accagtcaag tttttggaag gcgagcttat tcatgatctt ttaaccattt ttgtgagtgc taaattggca tcatatgtca agttttatca gaataataaa gacttcattg attcacttgg cctgttacat gaacagaata tggcaaaaat gagactactt acttttatgg gaatggcagt agaaaataag gaaatttctt ttgacacaat gcagcaagaa cttcagattg gagctgatga tgttgaagca tttgttattg acgccgtaag aactaaaatg gtctactgca aaattgatca gacccagaga aaagtagttg tcagtcatag cacacatcgg acatttggaa aacagcagtg gcaacaactg tatgacacac ttaatgcctg gaaacaaaat ctgaacaaag tgaaaaacag ccttttgagt ctttctgata cctga
Molecular Weight	27,865 Da
OMIM	609641
Vector	pENTR223.1
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for EIF3M cdna clone	MBS1275438 is a cDNA clone targeting EIF3M.
Other Notes	Small volumes of EIF3M cdna clone 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 EIF3M. It may not necessarily be applicable to this product.

NCBI GI #	40225887
NCBI GeneID	10480
NCBI Accession #	BC019103
UniProt Secondary Accession #	O60735; Q2F836; Q53HL6; Q9BXW1; A8K7X4; B4E2Q4
UniProt Related Accession #	Q7L2H7
NCBI Official Full Name	Homo sapiens eukaryotic translation initiation factor 3, subunit M, mRNA
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 3 subunit M
NCBI Official Symbol	EIF3M
NCBI Official Synonym Symbols	B5; GA17; PCID1; TANGO7; hfl-B5
UniProt Protein Name	Eukaryotic translation initiation factor 3 subunit M

UniProt Synonym Protein Names	Fetal lung protein B5; hFL-B5; PCI domain-containing protein 1
Protein Family	Eukaryotic translation initiation factor
UniProt Gene Name	EIF3M
UniProt Synonym Gene Names	eIF3m; hFL-B5
UniProt Entry Name	EIF3M_HUMAN
NCBI Protein Information	eukaryotic translation initiation factor 3 subunit M
NCBI Summary for EIF3M	This gene encodes a protein that is part of the eurkaryotic translation initiation factor 3 complete (eIF-3) required for protein synthesis. Elevated levels of the encoded protein are present in cancer cell lines. Inactivation of the encoded protein has been shown to interfere with translation of herpes virus mRNAs by preventing the association of mRNAs with the ribosomes. A pseudogene of this gene is located on the X chromosome. [provided by RefSeq, Dec 2011]
UniProt Comments for EIF3M	EIF3M: 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 preinitiation 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. May favor virus entry in case of infection with herpes simplex virus 1 (HSV1) or herpes simplex virus 2 (HSV2). Belongs to the eIF-3 subunit M family. Protein type: Translation initiation Chromosomal Location of Human Ortholog: 11p13 Cellular Component: cytosol; eukaryotic translation initiation factor 3 complex Molecular Function: protein binding; translation initiation factor activity Biological Process: translational initiation
Research Articles on EIF3M	**1.** POLR2J interacts with three different subunits of eIF3, eIF3a, eIF3i, and eIF3m.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/cdna-clone/eif3m/1275438