

Product datasheet for TP505798

Eif3m (NM_145380) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse eukaryotic translation initiation factor 3, subunit M (Eif3m), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR205798 protein sequence
Red=Cloning site Green=Tags(s)

MSVPAFIDISEEDQAAELRAYLKS KAELSEENSEGGLHVDLAQII EACDVCLKEDDKD VESVMNSVWSL
LLILEPDKQEALIESLCEKLVK FREGERSLRLQLLSNLFHGMDKNT PVRTVYCSLIKVAASCGAIQYI
PTELDQVRKWISDWKLTTEKKHTLLRLLYEALVDCKKSDAASKVMVELLSYTEDNASQARVDAHRCIVR
ALKDPNAFLFDHLLTLKPVKFL EGELIHDLLTIFVSAKLASYVKFYQNNKDFIDSLGLLHEQNMAMRLL
TFMGMAVENKEISFDTMQQELQIGADDVEAFVIDAVRTKMVYCKIDQTQRKVVVSHSTHRTFGKQQWQQQL
YDTLNAWKQNLNKVKSLLSLSDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 42.5 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_663355](#)

Locus ID: 98221

UniProt ID: [Q99JX4](#)



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RefSeq Size: 1230

Cytogenetics: 2 55.06 cM

RefSeq ORF: 1125

Synonyms: Ga17; Pcid1; Tango7

Summary: 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-tRNA_i 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. [UniProtKB/Swiss-Prot Function]