

## Product datasheet for TP504729

### Eif3i (NM\_018799) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse eukaryotic translation initiation factor 3, subunit I (Eif3i), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204729 protein sequence Red=Cloning site Green=Tags(s)

MKPILLQGHESITQIKYNREGDLLFTVAKDPIVNVWYSVNGERLGTVMGHTGAVWCVDADWDTKHVLGTG  
SADNSCRLWDCETGKQLALLKTNSAVRTC GFDFGGNIIMFSTDKQMGYQCFVSFFDLRDP SQIDSNEPYM  
KIPCNDSKITSAVWGPLGECVIAGHESGELNQYSAKSGEVLVNVKEHSRQINDIQLSRDMT MFV TASKDN  
TAKLFDSTTLEHQKTRTERPVNSAALSPNYDHVVLGGGQEAMDVTTTSTRIGKFEARFFHLAFEEEEFGR  
VKGHFGPINSVAFHPDGKSYSSGGEDGYVRIHYFDPQYFEFEFEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	36.5 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:	<a href="#">NP_061269</a>
Locus ID:	54709
UniProt ID:	<a href="#">Q9QZD9</a>



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RefSeq Size: 1127  
Cytogenetics: 4 63.26 cM  
RefSeq ORF: 978  
Synonyms: 36kDa; D4Ertd632e; Eif3s2; Trip1

**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<sub>i</sub> 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]