

## Product datasheet for TP506401

### Eif4a2 (NM\_013506) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse eukaryotic translation initiation factor 4A2 (Eif4a2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206401 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSGGSADYNREHGGPEGMDPDGVIESNWNEIVDNFDDMNLKESLLRGIYAYGFEKPSAIQQRAIIPCIGK  
YDVIAQAQSGTGKTATFAISILQQLEIEFKETQALVLAPTRELAQQIQKVILALGDYMGATCHACIGGTN  
VRNEMQKLQAEAPHIVGTPGRVFDMLNRRYLSPKWIKMFVLDEADEMLSRGFKDQIYEIYFQKLNTSIQV  
VLLSATMPTDVLEVTKKFMRDPIRILVKKEELTLEGIKQFYINVEREEWKLDLTLCDLYETLTITQAVIFL  
NTRRKVDWLTEKMHARDFTVSALHGDMQKERDVMREFRSGSSRVLITDLLARGIDVQQVSLVINYDL  
PTNRENIHRIGRGGFRGFRKGVAINFVTEEDKRILRDIETFYNTTVEEMPMNVADLI

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	46.4 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_038534</a>
Locus ID:	13682
UniProt ID:	<a href="#">P10630</a> , <a href="#">Q52KC1</a>



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<b>RefSeq Size:</b>	2369
<b>Cytogenetics:</b>	16 13.93 cM
<b>RefSeq ORF:</b>	1224
<b>Synonyms:</b>	4833432N07Rik; BM-010; Ddx2b; eIF-4A-II; Eif4; eIF4A-II
<b>Summary:</b>	ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome. In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon.[UniProtKB/Swiss-Prot Function]