

## Product datasheet for TP506835

### Eif5 (NM\_173363) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse eukaryotic translation initiation factor 5 (Eif5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206835 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSVNVNRSVSDQFYRYKMPRLIAKVEGKNGIKTVIVNMVDVAKALNRPPTYPTKYFGCELGAQTQFDVK  
NDRYIVNGSHEANKLQDMLDGFIKKFLCPECENPETDLHVNPKKQTIGNSCKACGYRGLDTHHKLCTF  
ILKNPPNSDIGTGKKEKEKKNRKGKDKENGVSSTSETPPPPPPNEISPPHVEEEEDDDWGEDTTEEAQ  
RRRMDEISDHAKGLTLDLERTVEERVNILDVFKKKKEEGIIDSSDKEIVAEERLDVKAMGPLVLTE  
VLFDEKIREQIKKYRRHFLRFCHNNKKAQRYLLHGLECVVAMHQAQLISKIPHILKEMYDADLLEEEVII  
SWSEKASKKYVSKELAKEIRVKAEPFIKWLKEAEESSGGEEDEDENIEVVYSKTASVPKVVTKSDNK  
DDIDIDAI

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	49 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_775539</a>
Locus ID:	217869



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UniProt ID: [P59325](#), [Q3TQR3](#)

RefSeq Size: 3966

Cytogenetics: 12 61.03 cM

RefSeq ORF: 1290

Synonyms: 2810011H21Rik; D12Ert549e

**Summary:** Catalyzes the hydrolysis of GTP bound to the 40S ribosomal initiation complex (40S.mRNA.Met-tRNA[F].eIF-2.GTP) with the subsequent joining of a 60S ribosomal subunit resulting in the release of eIF-2 and the guanine nucleotide. The subsequent joining of a 60S ribosomal subunit results in the formation of a functional 80S initiation complex (80S.mRNA.Met-tRNA[F]).[UniProtKB/Swiss-Prot Function]