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Product datasheet for TP508977

Eif2d (NM_001136070) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse eukaryotic translation initiation factor 2D (Eif2d), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208977 representing NM_001136070 Red=Cloning site Green=Tags(s) MGNVPLLREVGKCQRNMFGRSTASSKGSSNSRSSSSTSPKKGPRREADALMFIQIFIHLLKSNIGTGFLG LPLAVKNAGLLVGPVSLLAIGALTVHCMDILLNCACHLTQRLQRSFVNYEETTMYSLETCPSPWLRTHSV WGRYVVSFLLIVTQLGFCSVYFMFLADNLQQIMEEAHFTSNVCQPRQSLVMTSILDTRFYMLTILPFLIL LVLIQNPQVLSIFSTLATITTLSSLALIFEYLIQTPHHSNLPLVANWKTFLLFFGTAIFTFEGVGMVLPL KSQMKSPQQFPAVLYLGMSFVIFLYICLGTLGYMKFGTDTQASITLNLPICWLYQSVKLMYSVGIFFTYA LQFHVPAEIIVPYVVSRVSENWALFVDLTVRTALVCLTCFSAVLIPRLDLVISLVGSVSSSALAIIIPPL LEIATFYSENISCATIVKDIMISILGLLGCVLGTYQALYEMTQQTHFYMANSTRVHI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	63.3 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_001129542
Locus ID:	16865

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UniProt ID:	Q61211
RefSeq Size:	1976
Cytogenetics:	1 56.9 cM
RefSeq ORF:	1431
Synonyms:	D1Ertd5e; Lgtn
Summary:	Translation initiation factor that is able to deliver tRNA to the P-site of the eukaryotic ribosome in a GTP-independent manner. The binding of Met-tRNA(I) occurs after the AUG codon finds its position in the P-site of 40S ribosomes, the situation that takes place during initiation complex formation on some specific RNAs. Its activity in tRNA binding with 40S subunits does not require the presence of the aminoacyl moiety. Possesses the unique ability to deliver non-Met (elongator) tRNAs into the P-site of the 40S subunit. In addition to its role in initiation, can promote release of deacylated tRNA and mRNA from recycled 40S subunits following ABCE1-mediated dissociation of post-termination ribosomal complexes into subunits (By similarity). [UniProtKB/Swiss-Prot Function]