

## Product datasheet for **TP509105**

### Eif2a (NM\_001005509) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse eukaryotic translation initiation factor 2A (Eif2a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209105 protein sequence Red=Cloning site Green=Tags(s)

MAPSTPLLTVRGSEGLYMVNGPPHFTSTVLPRESGRNCKVYTFSKDGLFAWSNGEKVNIINVANKGLL  
HSFDLPKAVCLEFSPNNTVLATWQPYTTSKDGTAGTPNLQLYDMKTGACLKSFQKKMQNWCPSSWSDDEI  
ICARNVNNVHFFENNNFNNTIANKLHLQKVNDFNLSPGTQPYKVAVYVPGSKGAPSFVRLYQYPNFAGPQ  
AALANKSFFKADKVTMLWNKKATAVLVIASTEVDKGTGASYGGEQTLHYIATNGESAVVQLPKNGPIYDW  
WNSSTEFCAVYGFMPAKATVFNLKCDPVDFGTGPRNAAFYSPHGHILVLAGFGNLRGQMEVWDVKNYK  
LISKPVASDSTYFAWC PDGEHILTATCAPRLRVNNGYKIWHYTGSLHKYDVP SNGELWQVSWQPFLDGI  
FPAKTIKYQAVPSEVPSEEPKVATAYRPPALRNKPV TNSKLHEEPPQNMKPHPGSDKPLSKTALKNQRK  
HEAKKAQKQEARSDAAPTVPQ SAPRNTVTQSASGDPEVDKIKNLKLLKLAIEQLKEQAAAGKQLEKNQ  
LEKIQKETALLQELEDLELGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	64.4 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.



[View online »](#)

RefSeq: [NP\\_001005509](#)

Locus ID: 229317

UniProt ID: [Q8BJW6](#)

RefSeq Size: 2322

Cytogenetics: 3 28.58 cM

RefSeq ORF: 1746

Synonyms: D030048D22; D3Ertd194e

**Summary:** Functions in the early steps of protein synthesis of a small number of specific mRNAs. Acts by directing the binding of methionyl-tRNA<sub>i</sub> to 40S ribosomal subunits. In contrast to the eIF-2 complex, it binds methionyl-tRNA<sub>i</sub> to 40S subunits in a codon-dependent manner, whereas the eIF-2 complex binds methionyl-tRNA<sub>i</sub> to 40S subunits in a GTP-dependent manner. [UniProtKB/Swiss-Prot Function]