

Product datasheet for **TP504498**

Eif2s1 (NM_026114) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse eukaryotic translation initiation factor 2, subunit 1 alpha (Eif2s1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204498 protein sequence Red =Cloning site Green =Tags(s)
	<p>MPGLSCRFYQHKFPEVEDVMVNVRSIAEMGAYVSLLEYNNIEGMILLSELSRRRIRSINKLIRIGRNEC VVIRVDKEKGYIDLKRRVSPPEAIKCEDKFTKSKTVYSILRHVAEVLEYTKDEQLESFQRTAWVFDD KYKRPGYGAYDAFKHAVSDPSILDSDLNEDEREVLINNINRRLTPQAVKIRADIEVACYGYEGIDAVKE ALRAGLNCSTETMPIKINLIAPPRVMTTTTLERTEGLSVLNQAMAVIKEKIEEKRGVFNVQMEPKVTD TDETELARQLERLERENAEVDGDDDAEEMEAKAED</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	36.1 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_080390
Locus ID:	13665
UniProt ID:	Q6ZWX6



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RefSeq Size: 3152

Cytogenetics: 12 C3

RefSeq ORF: 948

Synonyms: 35kDa; 0910001O23Rik; 2410026C18Rik; Eif2a; eIF2alpha

Summary: Functions in the early steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA. This complex binds to a 40S ribosomal subunit, followed by mRNA binding to form a 43S pre-initiation complex. Junction of the 60S ribosomal subunit to form the 80S initiation complex is preceded by hydrolysis of the GTP bound to eIF-2 and release of an eIF-2-GDP binary complex. In order for eIF-2 to recycle and catalyze another round of initiation, the GDP bound to eIF-2 must exchange with GTP by way of a reaction catalyzed by eIF-2B (By similarity).[UniProtKB/Swiss-Prot Function]