

Product datasheet for TP504882

Eif2s2 (NM_026030) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse eukaryotic translation initiation factor 2, subunit 2 (beta) (Eif2s2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204882 protein sequence Red =Cloning site Green =Tags(s) MSGDEMIFDPTMSKKKKKKKPFMLDEEGDAQTEETQPSETKEVEPEPTEEKDVDADEEDSRKKDASDDL DDLNFFNQKKKKKKTKKIFDIDEAEEAIKDVKIESDAQEPAEPEDDLIMLGNNKKKKKKNVKFPEDDEIL EKDEALEDEDSKKDDGISFSSQTAWAGSERDYTYEELLNRVFNIMREKNPDMVAGEKRKFVMPKPQVVRV GTKKTSFVNFTDICKLLHRQPKHLLAFLAELGTSGSIDGNNQLVIKGRFQQKQIENVLRRYIKEYVTCH TCRSPDTILQKDTRLYLQ CETCHSRCSVASIKTGFQAVTGKRAQLRAKAN TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	38.1 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_080306
Locus ID:	67204
UniProt ID:	Q99L45


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RefSeq Size:	2513
Cytogenetics:	2 76.89 cM
RefSeq ORF:	993
Synonyms:	38kDa; 2810026E11Rik; AA408636; AA571381; AA986487; AW822225; D2Ertd303e; EIF2; EIF2B
Summary:	eIF-2 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 preinitiation 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]