

Recombinant Mouse Eif2s2 Protein, Myc/DDK-tagged

Cat. No. Eif2s2-2776M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length eukaryotic translation initiation factor 2, subunit 2 (beta) (Eif2s2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	38.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Eif2s2 eukaryotic translation initiation factor 2, subunit 2 (beta) [Mus musculus (house mouse)]

Official Symbol Eif2s2

Synonyms EIF2S2; eukaryotic translation initiation factor 2, subunit 2 (beta); eukaryotic translation initiation factor 2 subunit 2; eIF-2-beta; eukaryotic translation initiation factor 2 subunit beta; eukaryotic translation initiation factor 2, subunit 2 (beta, 38kDa); EIF2; 38kDa; EIF2B; AA408636; AA571381; AA986487; AW822225; D2Ert303e; 2810026E11Rik; MGC130606

Gene ID 67204

mRNA Refseq NM_026030

Protein Refseq NP_080306

UniProt ID Q99L45

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