

Recombinant Human EIF2S2 Protein, MYC/DDK-tagged

Cat. No. EIF2S2-354H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EIF2S2 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	38.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	EIF2S2 eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa [Homo sapiens]
Official Symbol	EIF2S2
Synonyms	EIF2S2; eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa; EIF2, eukaryotic translation initiation factor 2, subunit 2 (beta, 38kD); eukaryotic translation initiation factor 2 subunit 2; EIF2beta; PPP1R67; protein phosphatase 1; regulatory subunit 67; eIF-2-beta; eukaryotic initiation factor 2-beta; protein phosphatase 1, regulatory subunit 67; eukaryotic translation initiation factor 2 beta; eukaryotic translation initiation factor 2 subunit beta; EIF2; EIF2B; MGC8508; DKFZp686L18198;
Gene ID	8894
mRNA Refseq	NM_003908
Protein Refseq	NP_003899
MIM	603908
UniProt ID	P20042