

Recombinant Human EIF2S1 Protein, MYC/DDK-tagged

Cat. No. EIF2S1-371H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EIF2S1 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	The translation initiation factor EIF2 catalyzes the first regulated step of protein synthesis initiation, promoting the binding of the initiator tRNA to 40S ribosomal subunits. Binding occurs as a ternary complex of methionyl-tRNA, EIF2, and GTP. EIF2 is composed of 3 nonidentical subunits, the 36-kD EIF2-alpha subunit (EIF2S1), the 38-kD EIF2-beta subunit (EIF2S2; MIM 603908), and the 52-kD EIF2-gamma subunit (EIF2S3; MIM 300161). The rate of formation of the ternary complex is modulated by the phosphorylation state of EIF2-alpha (Ernst et al., 1987 [PubMed 2948954]).
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	35.9 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	EIF2S1 eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa [Homo sapiens]
Official Symbol	EIF2S1
Synonyms	EIF2S1; eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa; EIF2, eukaryotic translation initiation factor 2, subunit 1 (alpha, 35kD); eukaryotic translation initiation factor 2 subunit 1; EIF 2alpha; EIF2A; eIF-2-alpha; eukaryotic translation initiation factor 2 subunit alpha; EIF2; EIF-2; EIF-2A; EIF-2alpha;
Gene ID	1965
mRNA Refseq	NM_004094
Protein Refseq	NP_004085
MIM	603907
UniProt ID	P05198

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