

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	<p>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]).</p>
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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