

Recombinant Human EIF2S1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EIF2S1-3542H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EIF2S1 MS Standard C13 and N15-labeled recombinant protein (NP_004085) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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), and the 52-kD EIF2-gamma subunit (EIF2S3). The rate of formation of the ternary complex is modulated by the phosphorylation state of EIF2-alpha.</p>
Molecular Mass	36.1 kDa
AA Sequence	MPGLSCRFYQHKFPEVEDVVMVNVRSIAEMGAYVSLLEYNNIEGMILLSELSRRRIR SINKLIRIGRNECVVIRVDKEKGYIDLKRRVSPEEAIKCEDKFTKSKTVYSILRHVAE VLEYTKDEQLESFQRTAWVFDDKYKRPGYGAYDAFKHAVSDPSILDSLNLNEDER EVLINNINRRLTPQAVKIRADIEVACYGYEGIDAVKEALRAGLNCSTENMPIKINLIAPP RYVMTTTTLERTEGLSVLSQAMAVIKEKIEEKRGVFNVMQEPKVVTDTDETELARQM ERLERENAEVDGDDDAEEMEAKAEDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	EIF2S1 eukaryotic translation initiation factor 2 subunit alpha [Homo sapiens (human)]
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

 Tel: 1-631-559-9269 1-516-512-3133

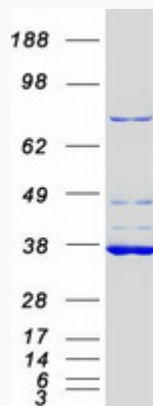
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

P05198

SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA