Recombinant Full Length Human EIF2S2 Protein, GST-tagged

Cat. No. EIF2S2-4197HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EIF2S2 full-length ORF (NP_003899.2, 1 a.a. - 333 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	333 amino acids
Description	Eukaryotic translation initiation factor 2 (EIF-2) functions in the early steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA and binding to a 40S ribosomal subunit. EIF-2 is composed of three subunits, alpha, beta, and gamma, with the protein encoded by this gene representing the beta subunit. The beta subunit catalyzes the exchange of GDP for GTP, which recycles the EIF-2 complex for another round of initiation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]
Molecular Mass	64.8 kDa
AA Sequence	MSGDEMIFDPTMSKKKKKKKKPFMLDEEGDTQTEETQPSETKEVEPEPTEDKDLEA DEEDTRKKDASDDLDDLNFFNQKKKKKKTKKIFDIDEAEEGVKDLKIESDVQEPTEPE DDLDIMLGNKKKKKKNVKFPDEDEILEKDEALEDEDNKKDDGISFSNQTGPAWAGSE RDYTYEELLNRVFNIMREKNPDMVAGEKRKFVMKPPQVVRVGTKKTSFVNFTDICKL LHRQPKHLLAFLLAELGTSGSIDGNNQLVIKGRFQQKQIENVLRRYIKEYVTCHTCRS PDTILQKDTRLYFLQCETCHSRCSVASIKTGFQAVTGKRAQLRAKAN

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

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MIM	603908
UniProt ID	P20042

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