

Recombinant Human EIF2S2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EIF2S2-2521H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EIF2S2 MS Standard C13 and N15-labeled recombinant protein (NP_003899) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	38.4 kDa
AA Sequence	MSGDEMIFDPTMSKKKKKKKPFMLDEEGDTQTEETQPSETKEVEPEPTEDKDLEA DEEDTRKKDASDDLDDLNFFNQKKKKKKTKKIFDIDEAEEGVKDLKIESDVQPEPE DDLDIMLGNKKKKKKNVKFPDEDEILEKDEALEDEDNKKDDGISFSNQTGPAWAGSE RDYTYDELLNRVFNIMREKNPDMVAGEKRKFVMKPPQVVRVGTKKTSFVNFTDICK LLHRQPKHLLAFLAELGTSGSIDGNNQLVIKGRFQQKQIENVLRRYIKEYVTCHTCR SPDTILQKDTRLFLQCETCHSRCSVASIKTGFQAVTGKRAQLRAKANTRTRPLEQK

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	LISEEDLAANDILDYKDDDDKV
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	EIF2S2 eukaryotic translation initiation factor 2 subunit beta [Homo sapiens (human)]
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

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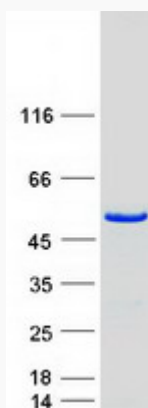
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Protein Refseq NP_003899

MIM 603908

UniProt ID P20042

SDS-PAGE



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