Recombinant Human EIF2S3

Cat. No. EIF2S3-28379TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human EIF2G with N-terminal proprietary tag.Mol Wt 35.53 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	90 amino acids
Description	The protein encoded by this gene is the largest subunit of a heterotrimeric GTP-binding protein involved in the recruitment of methionyl-tRNA(i) to the 40 S ribosomal subunit.
Molecular Weight	35.530kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	GVRTEGDKKAAKVQKLSKNEVLMVNIGSLSTGGRVSAVKADLGKIVLTNPVCTEVGE

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acids	KIALSRRVEKHWRLIGWGQIRRGVTIKPTVDDD
Sequence Similarities	Belongs to the GTP-binding elongation factor family. EIF2G subfamily.

GENE INFORMATION

Gene Name	EIF2S3 eukaryotic translation initiation factor 2, subunit 3 gamma, 52kDa [Homo sapiens]
Official Symbol	EIF2S3
Synonyms	EIF2S3; eukaryotic translation initiation factor 2, subunit 3 gamma, 52kDa; EIF2G, eukaryotic translation initiation factor 2, subunit 3 (gamma, 52kD); eukaryotic translation initiation factor 2 subunit 3; EIF2; EIF2gamma; eukaryotic translation initiati
Gene ID	1968
mRNA Refseq	NM_001415
Protein Refseq	NP_001406
MIM	300161
Uniprot ID	P41091
Chromosome Location	Xp22.2-p22.1
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Cap-dependent Translation

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	Initiation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Formation of the ternary complex, and subsequently, the 43S complex, organism-specific biosystem; GTP hydrolysis and joining of the 60S ribosomal subunit, organism-specific biosystem;
Function	GTP binding; GTPase activity; nucleotide binding; protein binding; translation factor activity, nucleic acid binding;

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