

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: 8.00 Constituents: 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;