Recombinant Human EIF2B3, His-tagged

Cat. No. EIF2B3-28491TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 167-452 of Human eIF2B3 with an N terminal His tag. Predicted MWt: 33 kDa;
Species	Human
Source	E.coli
ProteinLength	167-452 a.a.
Description	The protein encoded by this gene is one of the subunits of initiation factor eIF2B, which catalyzes the exchange of eukaryotic initiation factor 2-bound GDP for GTP. It has also been found to function as a cofactor of hepatitis C virus internal ribosome entry site-mediated translation. Mutations in this gene have been associated with leukodystrophy with vanishing white matter. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 66 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	LLFMANEADLDEELVIKGSILQKHPRIRFHTGLVDAHLYC LKKYIVDFLMENGSITSIR SELIPYLVRKQFSSASSQQ GQEEKEEDLKKKELKSLDIYSFIKEANTLNLAPYDACW NACRGDRWEDLSRSQVRCYVHIMKEGLCSRVSTLGLYMEA NRQVPKLLSALCPEE PPVHSSAQIVSKHLVGVDSLIGP ETQIGEKSSIKRSVIGSSCLIKDRVTITNCLLMNSV TV EEGSNIQGSVICNNAVIEKGADIKDCLIGSGQRIEAKAKRVNEVIVGNDQLMEI
Sequence Similarities	Belongs to the eIF-2B gamma/epsilon subunits family.

GENE INFORMATION

Gene Name	EIF2B3 eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa [Homo sapiens]
Official Symbol	EIF2B3
Synonyms	EIF2B3; eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa; eukaryotic translation initiation factor 2B, subunit 3 (gamma, 58kD); translation initiation factor eIF-2B subunit gamma; EIF 2B; EIF2Bgamma;
Gene ID	8891
mRNA Refseq	NM_020365
Protein Refseq	NP_065098
MIM	606273
Uniprot ID	Q9NR50
Chromosome Location	1p34.1

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Pathway	Cap-dependent Translation Initiation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; RNA transport, organism-specific biosystem;
Function	contributes_to guanyl-nucleotide exchange factor activity; contributes_to guanyl-nucleotide exchange factor activity; nucleotidyltransferase activity; protein binding; contributes_to translation factor activity, nucleic acid binding;

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