

Recombinant Human EIF2B3, GST-tagged

Cat. No. EIF2B3-12355H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EIF2B3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-218a.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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	EIF2B3 eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa [Homo
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	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; eIF-2B GDP-GTP exchange factor subunit gamma; EIF-2B;
Gene ID	8891
mRNA Refseq	NM_001166588
Protein Refseq	NP_001160060
MIM	606273
UniProt ID	Q9NR50
Chromosome Location	1p34.1
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; RNA transport, conserved biosystem; Recycling of eIF2:GDP, 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; contributes_to transl

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