

Recombinant Full Length Human EIF2B1 Protein, GST-tagged

Cat. No. EIF2B1-4489HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EIF2B1 full-length ORF (NP_001405.1, 1 a.a. - 305 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	305 amino acids
Description	This gene encodes one of five subunits of eukaryotic translation initiation factor 2B (EIF2B), a GTP exchange factor for eukaryotic initiation factor 2 and an essential regulator for protein synthesis. Mutations in this gene and the genes encoding other EIF2B subunits have been associated with leukoencephalopathy with vanishing white matter. [provided by RefSeq, Oct 2009]
Molecular Mass	60.1 kDa
AA Sequence	MDDKELIEYFKSQMKEDPDMAVAIAIRTLLEFLKRDKGETIQGLRANLTSAIETLCG VDSSVAVSSGGELFLRFISLASLEYSYDYSKCKKIMIERGELFLRRISLSRNKIADLCHT FIKDGATILTHAYSRVVLRVLEAAVAACKRFSVYVTESQPDLSGKKMAKALCHLNVPV TVVLDAAVGYIMEKADLVIVGAEGVVENGGIINKIGTNQMAVCAKAQNKPFFVVAESF KFVRLFPLNQDVPDKFKYKADTLKVAQTGQDLKEEHPWVDYTAPSLITLLFTDLGV LTPSAVSDELIKLYL
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	EIF2B1 eukaryotic translation initiation factor 2B, subunit 1 alpha, 26kDa [Homo sapiens]
Official Symbol	EIF2B1
Synonyms	EIF2B1; eukaryotic translation initiation factor 2B, subunit 1 alpha, 26kDa; EIF2B, eukaryotic translation initiation factor 2B, subunit 1 (alpha, 26kD); translation initiation factor eIF-2B subunit alpha; EIF 2B; EIF 2Balpha; EIF2BA; eIF-2B GDP-GTP exchange factor subunit alpha; EIF2B; MGC117409; MGC125868; MGC125869;
Gene ID	1967
mRNA Refseq	NM_001414
Protein Refseq	NP_001405
MIM	606686
UniProt ID	Q14232

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