

Recombinant Human EIF2B4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EIF2B4-5825H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EIF2B4 MS Standard C13 and N15-labeled recombinant protein (NP_056451) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Eukaryotic initiation factor 2B (EIF2B), which is necessary for protein synthesis, is a GTP exchange factor composed of five different subunits. The protein encoded by this gene is the fourth, or delta, subunit. Defects in this gene are a cause of leukoencephalopathy with vanishing white matter (VWM) and ovarioleukodystrophy. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	57.6 kDa
AA Sequence	MAAVAVAVREDSGSGMKAELPPGPGAVGREMTKEEKLQLRKEKKQKKKRKEEK GAEPETGSAVSAAQCQVGPTRELPESGIQLGTPREKVPAGRSKAELRAERRAKQEA ERALKQARKGEQGGPPPKASPSTAGETPSGVKRLPEYPQVDDLLLRRLVKKPERQ QVPTRKDYGSKVSLFSHLPQYSRQNSLTQFMSIPSSVIHPAMVRLGLQYSQGLVSG SNARCIALLRALQQVIQDYTTTPNEELSRDLVNLKPYMSFLTQCRPLSASMHNAIKF LNKEITSVGSSKREEEAKSELRAAIDRYVQEKIVLAAQAISRFAYQKISNGDVILVYGC SSLVSRILQEAWTEGRRFRVVDVSRPWLEGRHTLRSLVHAGVPASYLLIPAASYVL PEVSKVLLGAHALLANGSVMSRVGTAQLALVARAHNPVLVCCETYKFCERVQTDA

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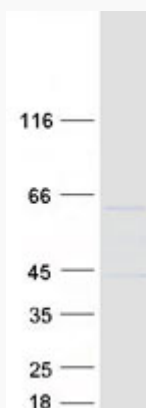
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	FVSNELDDPDDLQCKRGEHVALANWQNHASLRLLNLVYDVTPELVDLVITELGMIP CSSVPVVLRVKSSDQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	EIF2B4 eukaryotic translation initiation factor 2B subunit delta [Homo sapiens (human)]
Official Symbol	EIF2B4
Synonyms	EIF2B4; eukaryotic translation initiation factor 2B subunit delta; EIF2B; EIF-2B; EIF2Bdelta; translation initiation factor eIF-2B subunit delta; eIF-2B GDP-GTP exchange factor subunit delta; eukaryotic translation initiation factor 2B subunit 4 delta; eukaryotic translation initiation factor 2B, subunit 4 delta, 67kDa; translation initiation factor eIF-2b delta subunit
Gene ID	8890
mRNA Refseq	NM_015636

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Protein Refseq NP_056451**MIM** 606687**UniProt ID** Q9UI10**SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA