

## Product datasheet for PH323570

### EIF2B3 (NM\_020365) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	EIF2B3 MS Standard C13 and N15-labeled recombinant protein (NP_065098)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223570
Predicted MW:	50.1 kDa
Protein Sequence:	>RC223570 representing NM_020365 Red=Cloning site Green=Tags(s)  MEFQAVVMVAVGGSRMTDLTSSIPKPLLPVGNKPLIWIYPLNLLERVGFEEVIVVTTTRDVQKALCAEFKMK MKPDIVCIPDDADMGTADSLRYIYPKPKTDVLLVSCDLITDVALHEVVDLFRAYDASLAMLMRKQDSIE PVPGQKGGKKAVERDFIGVDSTGKRLLFMANEADLDEELVIKGSILQKHPRIHFHTGLVDAHLYCLKKY IVDFLMENGSITSIRSELIPYLVRKQFSSASSQQGQEEKEEDLKKKELKSLDIYSFIKEANTLNLAPYDA CWNACRGRWEDLSRSQVRCYVHIMKEGLCSRSTLGLYMEANRQVPKLLSALCPEEPPVHSSAQIVSKH LVGVDSLIGPETQIGEKSSIKRSVIGSSCLIKDRVTITNCLLMNSVTVEEGSNIQGSVICNNAVIEKGAD IKDCLIGSGQRIEAKAKRVNEVIVGNDQLMEI  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_065098</u>
RefSeq Size:	1602
RefSeq ORF:	1356
Synonyms:	EIF-2B; EIF2Bgamma



[View online »](#)

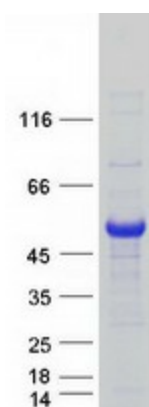
Locus ID: 8891

UniProt ID: [Q9NR50](#), [Q9HA31](#)

Cytogenetics: 1p34.1

**Summary:** 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. [provided by RefSeq, Oct 2009]

### Product images:



Coomassie blue staining of purified EIF2B3 protein (Cat# [TP323570]). The protein was produced from HEK293T cells transfected with EIF2B3 cDNA clone (Cat# [RC223570]) using MegaTran 2.0 (Cat# [TT210002]).