

Recombinant Human EIF2B3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EIF2B3-4557H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EIF2B3 MS Standard C13 and N15-labeled recombinant protein (NP_065098) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	50.1 kDa
AA Sequence	MEFQAVVMAVGGGSRMTDLTSSIPKLLPVGNKPLIWYPLNLLERVGFEEVIVVTTR DVQKALCAEFKMKMKPDIVCIPDDADMGADSLRYIYPKLKTDVLVLSCDLITDVALH EVVDLFRAYDASLAMLMRKGQDSIEPVPQGKGKKKAVEQRDFIGVDSTGKRLLFMA NEADLDEELVIKGSILQKHPRIHFHTGLVDAHLYCLKKYIVDFLMENGSISSIRSELIPY LVRKQFSSASSQQGQEEKEEDLKKKELKSLDIYSFIKEANTLNLAPYDACWNACRGD RWEDLSRSQVRCYVHIMKEGLCSRSTLGLYMEANRQVPKLLSALCPEEPPVHSSA QIVSKHLVGVDSLIGPETQIGEKSSIKRSVIGSSCLIKDRVTITNCLLMNSVTVEEGSNI

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QGSVICNNAVIEKGADIKDCLIGSGQRIEAKAKRVNEVIVGNDQLMEITRTRPLEQKLI
SEEDLAANDILDYKDDDDKV

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 EIF2B3 eukaryotic translation initiation factor 2B subunit gamma [Homo sapiens (human)]

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_020365

Protein Refseq NP_065098

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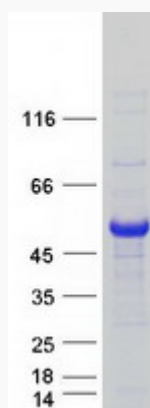
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MIM 606273

UniProt ID Q9NR50

SDS-PAGE



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