

Recombinant Full Length Human EIF2B5 Protein, GST-tagged

Cat. No. EIF2B5-4546HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EIF2B5 full-length ORF (AAH13590.1, 1 a.a. - 721 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	721 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, Nov 2009]
Molecular Mass	106.8 kDa
AA Sequence	MAAPVVAPPGVVVSRANKRSGAGPGGGGGARGAEEEEPPPPLQAVLVADSFDR RFFPISKDQPRVLLPLANVALIDYTLEFLTATGVQETVFCCWKAQAQIKEHLLKSKWC RPTSLNVVRIITSELYRSLGDVLRDVEDAKALVRSDFLLVYGDVISNINITRALEEHLR RKLEKNVSVMTMIFKESSPHPTRCHEDNVVVAVDSTTNRVLFHQKTQGLRRFAFP LSLFQGSSDGVEVRYDLLDCHISICSPQVAQLFTDNFDYQTRDDFVRGLLVNEEILG NQIHMHVTAKEYGARVSNLHMYSAVCADVIRRWVYPLTPEANFTDSTTQSCTHSRH NIYRGPEVSLGHGSILEENVLLGSGTVIGSNCFITNSVIGPGCHIGDNVVDQTYLWQ GVRVAAGAQIHQSLLCDNAEVKERVTLKPRSVLTSQVVVGNITLPEGSVISLHPPDA

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EEDEDDGEFSDDSGADQEKDVKMKGYNPAEVGAAGKGYLWKAAGMNMEEEEEL
 QQNLWGLKINMEEESESESESEQSMDSEEPDSRGGSPQMDDIKVFQNEVLGTLQRGK
 EENISCDNLVLEINSLKYAYNVSLKEVMQVLSHVVFLEFPLQQMDSPLDSSRYCALLLP
 LLKAWSPVFRNYIKRAADHLEALAAIEDFFLEHEALGISMALVMAFYQLEILAEETILS
 WFSQRDRTTDKGQQLRKNQQLRQFIQWLKEAEEESSEDD

Applications

Enzyme-linked Immunoabsorbent Assay
 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

EIF2B5 eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa [Homo sapiens]

Official Symbol

EIF2B5

Synonyms

EIF2B5; eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa; eukaryotic translation initiation factor 2B, subunit 5 (epsilon, 82kD); translation initiation factor eIF-2B subunit epsilon; EIF 2B; EIF2Bepsilon; eIF-2B GDP-GTP exchange factor subunit epsilon; CLE; CACH; LVWM; EIF-2B;

Gene ID

8893

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mRNA Refseq	NM_003907
Protein Refseq	NP_003898
MIM	603945
UniProt ID	Q13144

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