

# Recombinant Full Length Human EIF2B5 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human EIF2B5 full-length ORF ( AAH13590.1, 1 a.a. - 721 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	721 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	106.8 kDa
<b>AA Sequence</b>	<pre> MAAPVVAPPGVVSRANKRSGAGPGGSGGGGARGAEPPPPPLQAVLVADSFDR RFFPISKDQPRVLLPLANVALIDYTLEFLTATGVQETFVFCWKAQIKEHLLKSKWC RPTSLNVVRIITSELYRSLGDVLRDVAKALVRSDFLLVYGDVISNINITRALEEHLR RKLEKNVSVMTMIFKESSPHPTRCHEDNVVVAVDSTTNRVLHFQKTQGLRRFAFP LSLFQGSDDGVEVRYDLLDCHISICSPQVAQLFTDNFDYQTRDDFVRGLLVNEEILG NQIHMHVTAKEYGARVSNLHMYSAVCADVIRRWVYPLTPEANFTDSTTQSCTHSRH NIYRGPEVSLGHGSILEENVLLGSGTVIGSNCFITNSVIGPGCHIGDNVVDQTYLWQ GVRVAAGAQIHQSLLCDNAEVKERVTLKPRSVLTSQVVVGNITLPEGSVISLHPPDA </pre>

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EEDEDDGEFSDDSGADQEKDKVKMKGYNPAEVGAAGKGYLWKAAGMNMEEEEEL  
 QQNLWGLKINMEEESESESESEQSMDSEEPDSRGGSPQMDDIKVFQNEVLGTLQRGK  
 EENISCDNLVLEINSLKYAYNVSLKEVMQVLSHVVLEFPLQQMDSPLDSSRYCALLLP  
 LLKAWSPVFRNYIKRAADHLEALAAIEDFFLEHEALGISMALVMAFYQLEILAEETILS  
 WFSQRDTTDKGQQLRKNQQLQRFIQWLKEAEESSEDD

**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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<b>mRNA Refseq</b>	NM_003907
<b>Protein Refseq</b>	NP_003898
<b>MIM</b>	603945
<b>UniProt ID</b>	Q13144

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