

Recombinant Human EIF5B Protein, GST-tagged

Cat. No. EIF5B-3217H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EIF5B partial ORF (NP_056988, 1121 a.a. - 1218 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Accurate initiation of translation in eukaryotes is complex and requires many factors, some of which are composed of multiple subunits. The process is simpler in prokaryotes which have only three initiation factors (IF1, IF2, IF3). Two of these factors are conserved in eukaryotes: the homolog of IF1 is eIF1A and the homolog of IF2 is eIF5B. This gene encodes eIF5B. Factors eIF1A and eIF5B interact on the ribosome along with other initiation factors and GTP to position the initiation methionine tRNA on the start codon of the mRNA so that translation initiates accurately. [provided by RefSeq, Jul 2008]
Molecular Mass	36.52 kDa
AA Sequence	QGTPMCVPSKNFVDIGIVTSIEINHKQVDVAKKGQEVCKIEPIPGESPKMFGRHFEEA TDILVSKISRQSIDALKDWFRDEMQKSDWQLLIVELKKVFE
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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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	EIF5B eukaryotic translation initiation factor 5B [Homo sapiens]
Official Symbol	EIF5B
Synonyms	EIF5B; eukaryotic translation initiation factor 5B; DKFZp434I036; FLJ10524; IF2; KIAA0741; translation initiation factor IF2; eIF-5B; translation initiation factor IF-2;
Gene ID	9669
mRNA Refseq	NM_015904
Protein Refseq	NP_056988
MIM	606086
UniProt ID	O60841

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