

## Recombinant Human EIF1B, His-tagged

Cat. No. EIF1B-3480H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human EIF1B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	EIF1B is crucial for the scanning process in vitro. During the scanning process, EIF1B is a component of a complex involved in recognition of the initiator codon. Translation is also initiated by the role of EIF1B in regulating the activity of ribosomal subunits 43S, 48S and 40S. This protein enables 43S ribosomal complexes to discern between cognate and near-cognate initiation codons, sensing the nucleotide content of initiation codons.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.
<b>Molecular Weight</b>	15.0 kDa (133aa) confirmed by MALDI-TOF
<b>Purity</b>	> 95% by SDS - PAGE
<b>Concentration</b>	1 mg/ml (determined by Bradford assay)
<b>Sequences of amino acids</b>	MGSSHHHHHH SSGLVPRGSH MSTIQNLQSF DPFADATKGD DLLPAGTEDY IHIRIQQRNG RKTLTTVQGI ADDYDKKKLV KAFKKKFACN GTVIEHPEYG

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EVIQLQGDQR KNICQFLLEV GIVKEEQLKV HGF

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name**

EIF1B eukaryotic translation initiation factor 1B [ *Homo sapiens* ]

**Synonyms**

eukaryotic translation initiation factor 1B; GC20; EIF1B; translation factor sui1 homolog; protein translation factor SUI1 homolog GC20

**Gene ID**

10289

**mRNA Refseq**

NM\_005875

**Protein Refseq**

NP\_005866

**UniProt ID**

O60739

**Chromosome Location**


3p22.1

**Pathway**

RNA transport

**Function**

protein binding; translation initiation factor activity

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