

Recombinant Human EIF1B, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human EIF1B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.
Molecular Weight	15.0 kDa (133aa) confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	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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PDBrendering based
on 2if1.



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