

Product information



EIF3I, 1-325aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2393

Full name: eukaryotic translation initiation factor 3 subunit I

NCBI Accession No.: NP_003748

Synonyms: C3orf68

Description: EIF3I is a component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2: GTP:methionyl-tRNA_i and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. Recombinant human EIF3I protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol</p> <p>Molecular Weight: 38.9kDa (348aa)</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 1.0 mg/ml (determined by Bradford assay)</p>	<p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>MGSSHHHHH SSGLVPRGSH MGSMKPI LLQ GHERSITQIK YNREGDLLFT VAKDPIVNVW YSVNGERLGT YMGHTGAVWC VDADWDTKHV LTGSADNSCR LWDCE T GKQL ALLKTNSAVR TCGFDFGGNI IMFSTDKQMG YQCFVSFFDL RDPSQIDNNE PYMKIPCND S KITSAVWGPL GECI IAGHES GELNQYSAKS GEVLVNVKEH SRQINDIQLS RDMTMEFVTAS KDNTAKLFDS TTLEHQKTFR TERPVNSAAL SPNYDHHVVLG GGQEAMDVTT TSTRIGKFEA RFFHLAFEEE FGRVKGHFGP INSVAFHPDG KSYSSGGEDG YVRIHYFDPQ YFEFEFEA</p>	

General references:

Proshkin, S.A., *et al.* (2011) *Biochemistry Mosc.* 76 (8), 976-980

Perez, R.E., *et al.* (2011) *Am. J. Physiol. Lung Cell Mol. Physiol.* 300 (5), L799-L807

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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