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-tRNAi 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*.

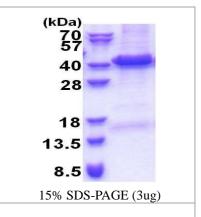
Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA,

10% glycerol

Molecular Weight: 38.9kDa (348aa)

Purity: > 90% by SDS - PAGE

Concentration: 1.0 mg/ml (determined by Bradford assay)



Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMKPILLQ GHERSITQIK YNREGDLLFT VAKDPIVNVW YSVNGERLGT YMGHTGAVWC VDADWDTKHV LTGSADNSCR LWDCETGKQL ALLKTNSAVR TCGFDFGGNI IMFSTDKQMG YQCFVSFFDL RDPSQIDNNE PYMKIPCNDS KITSAVWGPL GECIIAGHES GELNQYSAKS GEVLVNVKEH SRQINDIQLS RDMTMFVTAS KDNTAKLFDS TTLEHQKTFR TERPVNSAAL SPNYDHVVLG GGQEAMDVTT TSTRIGKFEA RFFHLAFEEE FGRVKGHFGP INSVAFHPDG KSYSSGGEDG YVRIHYFDPQ YFEFEFA

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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