

EIF3I, 1-325aa, Human, His tag, E.coli

Cat.NO.: TP01995

3th Edition

Synonyms:eukaryotic translation initiation factor 3 subunit I, 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. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

Molecular Weight:38.9kDa (348aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMKPILLQGHRSITQIKYNREGDLLFTVAKDPIVNVWYSVNGERLGTYMGHT
GAVWCVDADWDTKHVLTGSADNSCRLWDCETGKQLALLKTNSAVRTC GFDFGGNIIMFSTDKQMGYQCFVSFFD
LRDPSQIDNNEPYMKIPCNDKITSAVWGPLGECIIAGHESGELNQYSAKSGEVLVNVKEHSRQINDIQLSRDMTMF
VTASKDNTAKLFDSTTLEHQKTFRTERPVNSAALSPNYDHSVVLGGGQEAMDVTTTSTRIGKFEARFFHLAFEEFEFG
RVKGFHFGPINSVAFHPDGKSYSSGGEDGYVRIHYFDPQYFEFEFEA

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.