

Recombinant human eIF-3 epsilon/EIF3F protein

Catalog Number: ATGP2357

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-357aa

UniProt No.

O00303

NCBI Accession No.

NP_003745

Alternative Names

Eukaryotic translation initiation factor 3 subunit F, EIF3S5, Eukaryotic translation initiation factor 3 subunit 5 epsilon 47kDa, eIF3-p47, Deubiquitinating enzyme eIF3f

PRODUCT SPECIFICATION

Molecular Weight

40kDa (380aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

EIF3F 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 preinitiation 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

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ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. Recombinant human EIF3F protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

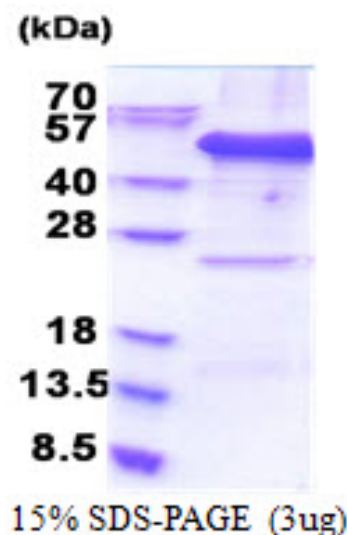
MGSSHHHHHH SGLVPRGSH MGSMATPAVP VSAPPATPTP VPAAAPASVP APTPAPAAAP VPAAAPASSS DPAAAAAATA
APGQTPASAQ APAQTPAPAL PGPALPGFPF GGRVVRLHPV ILASIVDSYE RRNEGAARVI GTLLGTVDKH SVEVTNCFSV
PHNESEDEVA VDMEFAKNMY ELHKKVSPNE LILGWYATGH DITEHSVLIH EYYSREAPNP IHLTVDTSLQ NGRMSIKAYV
STLMGVPGRT MGVMFTPLTV KYAYYDTERI GVDLIMKTCF SPNRVIGLSS DLQQVGGASA RIQDALSTVL QYAEDVLSGK
VSADNTVGRF LMSLVNQVPK IVPDDFETML NSNINDLLMV TYLANLTQSQ IALNEKLVNL

General References

Gaitanou M., et al (2001). *Biochem. J.* 355:715-724

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.