

Recombinant human 4E-BP3/EIF4EBP3 protein

Catalog Number: ATGP2772

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-100aHuman

UniProt No.

O60516

NCBI Accession No.

NP_003723

Alternative Names

Eukaryotic translation initiation factor 4E-binding protein 3, 4E-BP3, 4EBP3, eIF4E-binding protein 3

PRODUCT SPECIFICATION

Molecular Weight

13.3 kDa (123aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

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

Eukaryotic translation initiation factor 4E-binding protein 3, also known as EIF4EBP 3, is a member of EIF4EBP family which derives its name from proteins that bind to eukaryotic initiation factor 4E and that prevent its assembly into EIF4F. The EIF4F subunit EIF4E interacts directly with the mRNA 5' cap structure. Co-transcription of this gene and the neighboring upstream gene (MASK) generates a transcript (MASK-BP3) which encodes a fusion protein comprised of the MASK protein sequence for the majority of the protein and a different C-terminus due to an alternate reading frame for the EIF4EBP3 segments. Recombinant human EIF4EBP3 protein, fused to

Recombinant human 4E-BP3/EIF4EBP3 protein

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His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMTSTSC PIPGGRDQLP DCYSTTPGGT LYATTPGGTR IYDRKFLLE CKNSPIARTP
PCCLPQIPGV TTPPTAPLSK LEELKEQETE EEIPDDAQFE MDI

General References

Gingras A C., et al. (1998) Genes Dev. 12: 502-513.
Gingras A C., et al. (1999) Genes Dev. 13: 1422-1437

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)