# NKMAXBIO We support you, we believe in your research

# Recombinant human 4E-BP3/EIF4EBP3 protein

Catalog Number: ATGP2772

# **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

1-100aHuman

#### UniProt No.

060516

#### **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



# NKMAXBio We support you, we believe in your research

# Recombinant human 4E-BP3/EIF4EBP3 protein

Catalog Number: ATGP2772

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

# **Amino acid Sequence**

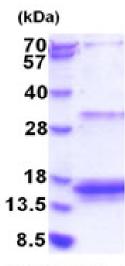
MGSSHHHHHH SSGLVPRGSH MGSMSTSTSC PIPGGRDQLP DCYSTTPGGT LYATTPGGTR IIYDRKFLLE CKNSPIARTP PCCLPQIPGV TTPPTAPLSK LEELKEQETE EEIPDDAQFE MDI

#### **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**



15% SDS-PAGE (3ug)

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

