# Recombinant human 4E-BP2/EIF4EBP2 protein

Catalog Number: ATGP0964

## PRODUCT INFORMATION

**Expression system**
E.coli

**Domain**
1-120aa

**UniProt No.**
Q13542

**NCBI Accession No.**
NP_004087.1

**Alternative Names**
Eukaryotic translation initiation factor 4E binding protein 2, 4EBP2, PHASII, eIF4E-binding protein 2

## PRODUCT SPECIFICATION

**Molecular Weight**
15.1 kDa (140aa) confirmed by MALDI-TOF

**Concentration**
0.5mg/ml (determined by Bradford assay)

**Formulation**
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.

**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**
EIF4EBP2 is a member of the eukaryotic translation initiation factor 4E binding protein family. This protein binds eIF4E and inhibits translation initiation. However, insulin and other growth factors can release this inhibition via a phosphorylation-dependent disruption of their binding to eIF4E. It mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase pathway. Regulation of this protein has been implicated in cell proliferation, cell differentiation and viral infection. Recombinant human EIF4EBP2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

chromatography techniques.

**Amino acid Sequence**

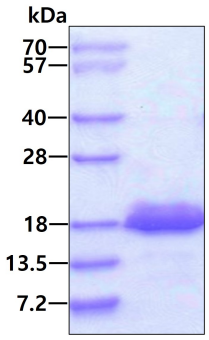
<MGSSHHHHHH SSGLVPRGSH> MSSSAGSGHQ PSQSRAIPTR TVAISDAAQL PHDYCTTPGG TLFSTTPGGT RIIYDRKFLL DRRNSPMAQT PPCHLPNIPG VTSPGTLIED SKVEVNNLNN LNNHDRKHAV GDDAQFEMDI

**General References**

Pause A., et al. (1994) Nature. 371650001):762-7.

## DATA

**SDS-PAGE**




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