

**EIF4EBP3, 1-100a Human, His tag, E.coli**

**Cat.NO.: TP02003**

3th Edition

**Synonyms:**Eukaryotic translation initiation factor 4E-binding protein 3, 4E-BP3, 4EBP3

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

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

**Molecular Weight:**13.3 kDa (123aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMSTSTSCPIPGGRDQLPDCYSTTPGGTLYATTPGGTRIIYDRKFLLECKNSPI  
ARTPPCCLPQIPGVTTPTAPLSKLEELKEQETEEEIPDDAQFEMDI

**Purity:**> 95% by HPLC

**Concentration:**0.25 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.