

EIF4EBP2, 1-120aa, Human, His tag, E.coli

Cat.NO.: TP02002

3th Edition

Synonyms:Eukaryotic translation initiation factor 4E binding protein 2, 4EBP2, PHASII.

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.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol,1mM DTT, 0.1M NaCl.

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

Sequences:

MGSSHHHHHHSSGLVPRGSHMSSSAGSGHQPSQSRAIPTRTRVAISDAAQLPHDYCTTPGGTLFSTTPGGTRIIYDR
KFLDDRNSPMAQTTPCHLPNIPGVTSPGLIEDSKVEVNNLNNLNNHDKHAVGDDAQFEMDI

Purity:> 95% by HPLC

Concentration:0.5 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.