

eIF4E-BP1, 1-118 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP02001

3th Edition

Synonyms:Eukaryotic translation initiation factor 4E-binding protein 1, 4E-BP1, 4EBP1, BP-1, MGC4316, PHAS-I.

Description:eIF4E-BP1, also known as eukaryotic translation initiation factor 4E-binding protein 1, is a member of a family of translation repressor proteins. This protein regulates eukaryotic translation initiation factor 4E (eIF4E) activity by preventing its assembly into the eIF4F complex and mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase and mTORC1 pathways.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:14.7 kDa (138aa) (Real molecular weight on SDS-PAGE will be shift up).

Sequences:

MGSSHHHHHHSSGLVPRGSHMSGGSSCSQTPSRAIPATRRVVLGDGVQLPPGDYSTTPGGTLFSTTPGGTRIYD
RKFLMECRNSPVTKTTPRDLPTIPGVTSPSSDEPPMEASQSHLRNSPEDKRAGGEESQFEMDI

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by BCA 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.