

Recombinant Human Eukaryotic Translation Initiation Factor 4E Binding Protein 2, His-tagged

Cat. No. EIF4EBP2-4999H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EIF4EBP2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
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.
Concentration	0.5 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 10% glycerol, 1mM DTT and 0.1M NaCl.
Purity	> 85 % by SDS - PAGE
Sequence	1-120 amino acids: MGSSHHHHHH SSGLVPRGSH MSSSAGSGHQ PSQSRAIPTR TVAISDAAQL PHDYCTTPGG TLFSTTPGGT RIIYDRKFLL DRRNSPMAQT

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PPCHLPNIPG VTSPGTLIED SKVEVNNLNN LNNHDRKHAV GDDAQFEMDI

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

Applications SDS-PAGE

Storage Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or - 70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name EIF4EBP2 eukaryotic translation initiation factor 4E binding protein 2 [Homo sapiens]

Official Symbol EIF4EBP2

Synonyms 4EBP2; PHASII; EIF4EBP2; eukaryotic translation initiation factor 4E-binding protein 2; 4E-BP2; eIF4E-binding protein 2; phosphorylated, heat and acid stable regulated by insulin protein II

Gene ID 1979

mRNA Refseq NM_004096

Protein Refseq NP_004087

MIM 602224

UniProt ID Q13542

Chromosome Location 10q21-q22

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Function

eukaryotic initiation factor 4E binding; protein binding

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