

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

Cat. No. EIF4EBP2-6902H **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. MW: 15.1 kDa.
Species	Human
Source	E.coli
ProteinLength	1-120aa
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.
Form	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.
Molecular Mass	15.1 kDa (140aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MSSSAGSGHQ PSQSRAIPTR TVAISDAAQL

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	PHDYCTTPGG TLFSTTPGGT RIIYDRKFLL DRRNSPMAQT PPCHLPNIPG VTSPGTLIED SKVEVNNLNN LNNHDRKHAV GDDAQFEMDI
Purity	>85% by SDS-PAGE
Applications	SDS-PAGE
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.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	EIF4EBP2 eukaryotic translation initiation factor 4E binding protein 2 [Homo sapiens]
Official Symbol	EIF4EBP2
Synonyms	EIF4EBP2; eukaryotic translation initiation factor 4E binding protein 2; eukaryotic translation initiation factor 4E-binding protein 2; 4E-BP2; eIF4E-binding protein 2; phosphorylated, heat and acid stable regulated by insulin protein II; 4EBP2; PHASII;
Gene ID	1979
mRNA Refseq	NM_004096
Protein Refseq	NP_004087
MIM	602224

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UniProt ID	Q13542
Chromosome Location	10q21-q22
Pathway	Translation Factors, organism-specific biosystem;
Function	eukaryotic initiation factor 4E binding; protein binding;

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