

Recombinant Human EIF4EBP1 Protein, His-tagged

Cat. No. EIF4EBP1-1397H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EIF4EBP1 (1-118aa) protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-118 a.a.
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. Recombinant EIF4EBP1 protein was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid
Molecular Mass	14.7 kDa (138aa), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHHSSGLVPRGSHMSGGSSCSQTPSRAIPATRRVVLGDGVQLPPGDY STTPGGTLFSTTPGGTRIIYDRKFLMECRNSPVTKTTPRDLPTIPGVTSPSSDEPPME ASQSHLRNSPEDKRAGGEESQFEMDI

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Purity	> 95% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by BCA assay)
Storage Buffer	In Phosphate Buffered Saline (pH7.4) containing 10% glycerol

GENE INFORMATION

Gene Name	EIF4EBP1
Official Symbol	EIF4EBP1 eukaryotic translation initiation factor 4E binding protein 1 [Homo sapiens (human)]
Synonyms	EIF4EBP1; eukaryotic translation initiation factor 4E binding protein 1; BP-1; 4EBP1; 4E-BP1; PHAS-I; eukaryotic translation initiation factor 4E-binding protein 1; eIF4E-binding protein 1; phosphorylated heat- and acid-stable protein regulated by insulin 1
Gene ID	1978
mRNA Refseq	NM_004095
Protein Refseq	NP_004086
MIM	602223
UniProt ID	Q13541

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SDS-PAGE