

## Recombinant Human EIF4EBP1 Protein, Flag-tagged

Cat. No. EIF4EBP1-1398H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant protein from the full-length sequence of Homo sapiens eukaryotic translation initiation factor 4E binding protein 1 (EIF4EBP1) (NM_004095), with a DYKDDDDK tag was expressed in human cells.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	This gene encodes one member of a family of translation repressor proteins. The protein directly interacts with eukaryotic translation initiation factor 4E (eIF4E), which is a limiting component of the multisubunit complex that recruits 40S ribosomal subunits to the 5' end of mRNAs. Interaction of this protein with eIF4E inhibits complex assembly and represses translation. This protein is phosphorylated in response to various signals including UV irradiation and insulin signaling, resulting in its dissociation from eIF4E and activation of mRNA translation.
<b>Molecular Mass</b>	12.4 kDa
<b>Endotoxin</b>	< 0.1 ng/μg of protein (<1 EU/μg)
<b>Purity</b>	> 90% by SDS-PAGE gel and Coomassie Blue staining
<b>Applications</b>	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies; For research & development use only!

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**Storage Buffer** Purified protein formulated in a sterile solution of TBS buffer, pH7.4, without any preservatives

## GENE INFORMATION

**Gene Name** EIF4EBP1 eukaryotic translation initiation factor 4E binding protein 1 [ Homo sapiens (human) ]

**Official Symbol** EIF4EBP1

**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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