Recombinant Full Length Human EIF4EBP1 Protein, GST-tagged

Cat. No. EIF4EBP1-4292HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EIF4EBP1 full-length ORF (AAH04459, 1 a.a. - 118 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	118 amino acids
Description	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. [provided by RefSeq, Jul 2008]
Molecular Mass	38.72 kDa
AA Sequence	MSGGSSCSQTPSRAIPATRRVVLGDGVQLPPGDYSTTPGGTLFSTTPGGTRIIYDRK FLMECRNSPVTKTPPRDLPTIPGVTSPSSDEPPMEASQSHLRNSPEDKRAGGEESQ FEMDI

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	EIF4EBP1 eukaryotic translation initiation factor 4E binding protein 1 [Homo sapiens]
Official Symbol	EIF4EBP1
Synonyms	EIF4EBP1; eukaryotic translation initiation factor 4E binding protein 1; eukaryotic translation initiation factor 4E-binding protein 1; 4E BP1; PHAS I; phosphorylated heat and acid stable protein regulated by insulin 1; eIF4E-binding protein 1; phosphorylated heat- and acid-stable protein regulated by insulin 1; BP-1; 4EBP1; 4E-BP1; PHAS-I; MGC4316;
Gene ID	1978
mRNA Refseq	NM_004095
Protein Refseq	NP_004086
MIM	602223

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UniProt ID	Q13541

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