

Recombinant Human EIF4EBP1 protein, His-tagged

Cat. No. EIF4EBP1-154H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EIF4EBP1(Ser2-Ile118) fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser2-Ile118
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.
Form	Lyophilized from a 0.2 M filtered solution of 20mM Phosphate buffer, 150mM NaCl, pH 7.4.
Molecular Mass	14.7 kDa
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Storage	Stable for at least 6 months from date of receipt under proper storage and handling

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conditions.

Concentration

Resuspend the protein to the desired concentration in proper 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

UniProt ID

Q13541

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