

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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