

Recombinant Human EIF4EBP1 293 Cell Lysate

Cat. No. EIF4EBP1-6649HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for eukaryotic translation initiation factor 4E binding protein 1 (EIF4EBP1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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

Chromosome Location 8p12

Pathway AMPK signaling, organism-specific biosystem; Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute

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myeloid leukemia, conserved biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Cap-dependent Translation Initiation, organism-specific biosystem; ErbB signaling pathway, organism-specific biosystem;

Function

eukaryotic initiation factor 4E binding; protein binding;

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