

Recombinant Human EIF4E2 293 Cell Lysate

Cat. No. EIF4E2-6650HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for eukaryotic translation initiation factor 4E family member 2 (EIF4E2) 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 EIF4E2 eukaryotic translation initiation factor 4E family member 2 [Homo sapiens]

Official Symbol EIF4E2

Synonyms EIF4E2; eukaryotic translation initiation factor 4E family member 2; EIF4EL3, eukaryotic translation initiation factor 4E like 3; eukaryotic translation initiation factor 4E type 2; 4EHP; IF4e; eIF4E type 2; eIF-4E type 2; eIF4E-like protein 4E-LP; mRNA cap-binding protein 4EHP; eIF4E-like cap-binding protein; mRNA cap-binding protein type 3; eukaryotic translation initiation factor 4E-like 3; eukaryotic translation initiation factor 4E member 2; eukaryotic translation initiation factor 4E homologous protein; 4E-LP; EIF4EL3;

Gene ID 9470

mRNA Refseq NM_004846

Protein Refseq NP_004837

MIM 605895

UniProt ID O60573

Chromosome Location 2q37.1

Pathway Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; ISG15 antiviral

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mechanism, organism-specific biosystem; Immune System, organism-specific biosystem; Insulin signaling pathway, organism-specific biosystem; Insulin signaling pathway, conserved biosystem; Interferon Signaling, organism-specific biosystem;

Function

RNA cap binding; protein binding; translation factor activity, nucleic acid binding; translation initiation factor activity; ubiquitin protein ligase binding;

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