Recombinant Human EIF4H 293 Cell Lysate

Cat. No. EIF4H-6643HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for eukaryotic translation initiation factor 4H (EIF4H), transcript variant 1 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	EIF4H eukaryotic translation initiation factor 4H [Homo sapiens]
Official Symbol	EIF4H
Synonyms	EIF4H; eukaryotic translation initiation factor 4H; WBSCR1, Williams Beuren syndrome chromosome region 1; KIAA0038; WSCR1; Williams-Beuren syndrome chromosome region 1; WBSCR1; eIF-4H;
Gene ID	7458
mRNA Refseq	NM_022170
Protein Refseq	NP_071496
MIM	603431
UniProt ID	Q15056
Chromosome Location	7q11.23
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Cap-dependent Translation Initiation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; GTP hydrolysis and joining of the 60S ribosomal subunit, organism-specific biosystem; Gene Expression, organism-specific biosystem; L13a-mediated translational silencing of Ceruloplasmin expression, organism-specific

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	biosystem; Metabolism of proteins, organism-specific biosystem;
Function	RNA binding; nucleotide binding; protein binding; translation factor activity, nucleic acid binding; translation initiation factor activity;

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