Recombinant Human EIF4H 293 Cell Lysate

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

SPECIFICATION

Product Overview	
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.

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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 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,

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	organism-specific biosystem; Gene Expression, organism-specific biosystem; L13a-mediated translational silencing of Ceruloplasmin expression, organism-specific 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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