

Recombinant Human EIF4A3 293 Cell Lysate

Cat. No. EIF4A3-6652HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for eukaryotic translation initiation factor 4A, isoform 3 (EIF4A3) 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 EIF4A3 eukaryotic translation initiation factor 4A3 [Homo sapiens]

Official Symbol EIF4A3

Synonyms

EIF4A3; eukaryotic translation initiation factor 4A3; DDX48, DEAD (Asp Glu Ala Asp) box polypeptide 48 , eukaryotic translation initiation factor 4A, isoform 3; eukaryotic initiation factor 4A-III; EIF4AIII; KIAA0111; NMP 265; hNMP 265; eIF4A-III; eIF-4A-III; DEAD box protein 48; nuclear matrix protein 265; ATP-dependent RNA helicase DDX48; ATP-dependent RNA helicase eIF4A-3; DEAD (Asp-Glu-Ala-Asp) box polypeptide 48; eukaryotic initiation factor 4A-like NUK-34; eukaryotic translation initiation factor 4A, isoform 3; DDX48; NUK34; NMP265; eIF4AIII; MGC10862; DKFZp686O16189;

Gene ID 9775

mRNA Refseq NM_014740

Protein Refseq NP_055555

MIM 608546

UniProt ID P38919

Chromosome Location 17q25.3

Pathway Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Cytokine

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Signaling in Immune system, organism-specific biosystem; Deadenylation of mRNA, organism-specific biosystem; Deadenylation-dependent mRNA decay, organism-specific biosystem; Exon junction complex (EJC), organism-specific biosystem; Gene Expression, organism-specific biosystem; ISG15 antiviral mechanism, organism-specific biosystem;

Function

ATP binding; ATP-dependent RNA helicase activity; RNA binding; helicase activity; hydrolase activity; nucleotide binding; poly(A) RNA binding; protein binding;

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