

Recombinant Human EIF4A3 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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

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

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Pathway

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