

Recombinant Human EIF3J 293 Cell Lysate

Cat. No. EIF3J-6657HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for eukaryotic translation initiation factor 3, subunit J (EIF3J) 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 EIF3J eukaryotic translation initiation factor 3, subunit J [Homo sapiens]

Official Symbol EIF3J

Synonyms EIF3J; eukaryotic translation initiation factor 3, subunit J; EIF3S1, eukaryotic translation initiation factor 3, subunit 1 alpha, 35kDa; eukaryotic translation initiation factor 3 subunit J; eIF3 alpha; eIF3 p35; eIF3j; eIF-3-alpha; eukaryotic translation initiation factor 3 subunit 1; eukaryotic translation initiation factor 3, subunit 1 alpha, 35kDa; eukaryotic translation initiation factor 3, subunit 1 (alpha, 35kD); EIF3S1; eIF3-p35; eIF3-alpha;

Gene ID 8669

mRNA Refseq NM_003758

Protein Refseq NP_003749

MIM 603910

UniProt ID O75822

Chromosome Location 15q21.1

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-

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specific biosystem; Formation of a pool of free 40S subunits, organism-specific biosystem; Formation of the ternary complex, and subsequently, the 43S complex, organism-specific biosystem; GTP hydrolysis and joining of the 60S ribosomal subunit, organism-specific biosystem; Gene Expression, organism-specific biosystem;

Function

protein binding; contributes_to translation initiation factor activity;

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