

Recombinant Human EIF3I 293 Cell Lysate

Cat. No. EIF3I-6658HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for eukaryotic translation initiation factor 3, subunit I (EIF3I) 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	EIF3I eukaryotic translation initiation factor 3, subunit I [Homo sapiens]
Official Symbol	EIF3I
Synonyms	EIF3I; eukaryotic translation initiation factor 3, subunit I; EIF3S2, eukaryotic translation initiation factor 3, subunit 2 beta, 36kDa; eukaryotic translation initiation factor 3 subunit I; eIF3 beta; eIF3 p36; eIF3i; TRIP 1; eIF-3-beta; predicted protein of HQ2242; TGFbeta receptor-interacting protein 1; TGF-beta receptor-interacting protein 1; eukaryotic translation initiation factor 3 subunit 2; eukaryotic translation initiation factor 3, subunit 2 beta, 36kDa; eukaryotic translation initiation factor 3, subunit 2 (beta, 36kD); TRIP1; EIF3S2; TRIP-1; PRO2242; eIF3-p36; eIF3-beta;
Gene ID	8668
mRNA Refseq	NM_003757
Protein Refseq	NP_003748
MIM	603911
UniProt ID	Q13347
Chromosome Location	1p34.1
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

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Initiation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-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; translation initiation factor activity; translation initiation factor activity;

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