

Recombinant Human EIF2A 293 Cell Lysate

Cat. No. EIF2A-6675HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for eukaryotic translation initiation factor 2A, 65kDa (EIF2A) 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	EIF2A eukaryotic translation initiation factor 2A, 65kDa [Homo sapiens]
Official Symbol	EIF2A
Synonyms	EIF2A; eukaryotic translation initiation factor 2A, 65kDa; eukaryotic translation initiation factor 2A; EIF 2A; 65 kDa eukaryotic translation initiation factor 2A; CDA02; EIF-2A; MST089; MSTP004; MSTP089;
Gene ID	83939
mRNA Refseq	NM_032025
Protein Refseq	NP_114414
MIM	609234
UniProt ID	Q9BY44
Chromosome Location	3q25.1
Pathway	IL-6 Signaling Pathway, organism-specific biosystem; TGF-beta receptor signaling, organism-specific biosystem;
Function	ribosome binding; tRNA binding; translation initiation factor activity;

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