

Recombinant Human EIF2C1 293 Cell Lysate

Cat. No. EIF2C1-6668HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for eukaryotic translation initiation factor 2C, 1 (EIF2C1) 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	EIF2C1 eukaryotic translation initiation factor 2C, 1 [Homo sapiens]
Official Symbol	EIF2C1
Synonyms	EIF2C1; eukaryotic translation initiation factor 2C, 1; protein argonaute-1; AGO1; argonaute 1; hAgo1; eIF2C 1; eIF-2C 1; argonaute1; putative RNA-binding protein Q99; Golgi Endoplasmic Reticulum protein 95 kDa; Q99; EIF2C; GERP95; DKFZp686M13167;
Gene ID	26523
mRNA Refseq	NM_012199
Protein Refseq	NP_036331
MIM	606228
UniProt ID	Q9UL18
Chromosome Location	1p34.3
Pathway	Gene Expression, organism-specific biosystem; MicroRNA (miRNA) Biogenesis, organism-specific biosystem; Post-transcriptional Silencing By Small RNAs, organism-specific biosystem; Pre-NOTCH Expression and Processing, organism-specific biosystem; Pre-NOTCH Transcription and Translation, organism-specific biosystem; Regulatory RNA pathways, organism-specific biosystem; Signal

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Transduction, organism-specific biosystem;

Function

RNA binding; nucleic acid binding; protein binding; translation initiation factor activity;

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