Recombinant Human EIF2C2 293 Cell Lysate

Cat. No. EIF2C2-6667HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for eukaryotic translation initiation factor 2C, 2 (EIF2C2), transcript variant 1 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	EIF2C2 eukaryotic translation initiation factor 2C, 2 [Homo sapiens]
Official Symbol	EIF2C2
Synonyms	EIF2C2; eukaryotic translation initiation factor 2C, 2; protein argonaute-2; AGO2; argonaute 2; Q10; PPD; hAgo2; eIF2C 2; eIF-2C 2; argonaute2; protein slicer; PAZ Piwi domain protein; MGC3183;
Gene ID	27161
mRNA Refseq	NM_001164623
Protein Refseq	NP_001158095
MIM	606229
UniProt ID	Q9UKV8
Chromosome Location	8q24
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

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	biosystem; Regulatory RNA pathways, organism-specific biosystem; Signal Transduction, organism-specific biosystem;
Function	RNA 7-methylguanosine cap binding; endonuclease activity; endoribonuclease activity, cleaving siRNA-paired mRNA; hydrolase activity; metal ion binding; protein binding; siRNA binding; contributes_to siRNA binding; translation initiation factor activity;

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