

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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