

Recombinant Human EIF2B5 293 Cell Lysate

Cat. No. EIF2B5-6669HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa (EIF2B5) 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

EIF2B5 eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa [Homo sapiens]

Official Symbol

EIF2B5

Synonyms

EIF2B5; eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa; eukaryotic translation initiation factor 2B, subunit 5 (epsilon, 82kD); translation initiation factor eIF-2B subunit epsilon; EIF 2B; EIF2Bepsilon; eIF-2B GDP-GTP exchange factor subunit epsilon; CLE; CACH; LVWM; EIF-2B;

Gene ID

8893

mRNA Refseq

NM_003907

Protein Refseq

NP_003898

MIM

603945

UniProt ID

Q13144

Chromosome Location

3q27.3

Pathway

Cap-dependent Translation Initiation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Gene Expression, organism-

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specific biosystem; Metabolism of proteins, organism-specific biosystem; MicroRNAs in cardiomyocyte hypertrophy, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem;

Function

contributes_to guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor activity; protein binding; transferase activity; contributes_to translation initiation factor activity; translation initiation factor activity; translation initiation factor binding;

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