Recombinant Human EIF2B5 293 Cell Lysate

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

SPECIFICATION

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

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	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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