Recombinant Human PARD6A 293 Cell Lysate

Cat. No. PARD6A-3436HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for par-6 partitioning defective 6 homolog alpha (C. elegans) (PARD6A), transcript variant 2 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	PARD6A par-6 partitioning defective 6 homolog alpha (C. elegans) [Homo sapiens]
Official Symbol	PARD6A
Synonyms	PARD6A; par-6 partitioning defective 6 homolog alpha (C. elegans); par 6 (partitioning defective 6, C.elegans) homolog alpha; partitioning defective 6 homolog alpha; PAR 6; PAR 6A; PAR6alpha; TAX40; TIP 40; PAR-6 alpha; Tax-interacting protein 40; tax interaction protein 40; partitioning-defective protein 6; partitioning defective-6 homolog alpha; PAR6; PAR6C; PAR-6A; TIP-40;
Gene ID	50855
mRNA Refseq	NM_001037281
Protein Refseq	NP_001032358
MIM	607484
UniProt ID	Q9NPB6
Chromosome Location	16q22.1-q22.3
Pathway	CDC42 signaling events, organism-specific biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Insulin Pathway, organism-

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	specific biosystem;
Function	GTP-dependent protein binding; Rho GTPase binding; protein binding; protein kinase C binding; transcription factor binding;

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