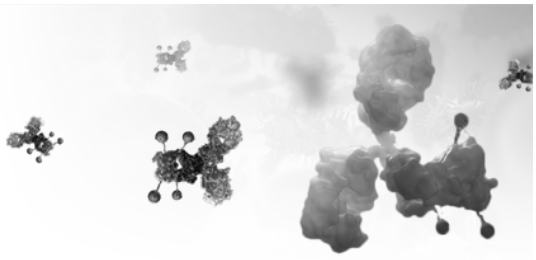

Human PARD6A peptide (DAG-P0990)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene is a member of the PAR6 family and encodes a protein with a PSD95/Discs-large/ZO1 (PDZ) domain and a semi-Cdc42/Rac interactive binding (CRIB) domain. This cell membrane protein is involved in asymmetrical cell division and cell polarization processes as a member of a multi-protein complex. The protein also has a role in the epithelial-to-mesenchymal transition (EMT) that characterizes the invasive phenotype associated with metastatic carcinomas. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Specificity	Expressed in pancreas, skeletal muscle, brain and heart. Weakly expressed in kidney and placenta.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the PAR6 family.Contains 1 OPR domain.Contains 1 PDZ (DHR) domain.Contains 1 pseudo-CRIB domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	PARD6A par-6 family cell polarity regulator alpha [Homo sapiens (human)]
Official Symbol	PARD6A
Synonyms	PARD6A; par-6 family cell polarity regulator alpha; PAR6; PAR6C; TAX40; PAR-6A; TIP-40; PAR6alpha; partitioning defective 6 homolog alpha; PAR-6 alpha; Tax-interacting protein 40;

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	tax interaction protein 40; partitioning-defective protein 6; partitioning defective-6 homolog alpha; par-6 partitioning defective 6 homolog alpha;
Entrez Gene ID	50855
mRNA Refseq	NM_001037281.1
Protein Refseq	NP_001032358.1
UniProt ID	Q9NPB6
Chromosome Location	16q22.1
Pathway	Asymmetric localization of PCP proteins, organism-specific biosystem; 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; Disease, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Hippo signaling pathway, organism-specific biosystem; Hippo signaling pathway, conserved b
Function	GTP-dependent protein binding; Rho GTPase binding; protein binding; protein kinase C binding; transcription factor binding;

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