

Recombinant Human PARD3 cell lysate

Cat. No. PARD3-1283HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Description	<p>PARD proteins, which were first identified in <i>C. elegans</i>, are essential for asymmetric cell division and polarized growth, whereas CDC42 (MIM 116952) mediates the establishment of cell polarity. The CDC42 GTPase, which is controlled by nucleotide exchange factors (GEFs; see MIM 606057) and GTPase-activating proteins (GAPs; see MIM 604980), interacts with a large set of effector proteins that typically contain a CDC42/RAC (MIM 602048)-interactive binding (CRIB) domain.</p>
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	PARD3 par-3 partitioning defective 3 homolog (<i>C. elegans</i>) [<i>Homo sapiens</i>]
Official Symbol	PARD3
Synonyms	<p>PARD3; par-3 partitioning defective 3 homolog (<i>C. elegans</i>); par 3 (partitioning defective 3, <i>C. elegans</i>) homolog; partitioning defective 3 homolog; ASIP; atypical PKC isotype specific interacting protein; Baz; Bazooka; PAR3; PARD3A; PARD-3;</p>

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PAR3-alpha; CTCL tumor antigen se2-5; atypical PKC isotype-specific interacting protein; atypical PKC isotype-specific-interacting protein; SE2-5T2; SE2-5L16; SE2-5LT1; PAR3alpha; FLJ21015;

Gene ID [56288](#)

mRNA Refseq [NM_001184785](#)

Protein Refseq [NP_001171714](#)

MIM [606745](#)

UniProt ID [Q8TEW0](#)

Chromosome Location 10p11.22

Pathway Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem;

Function lipid binding; phosphatidylinositol-3,4,5-trisphosphate binding; phosphatidylinositol-3-phosphate binding; phosphatidylinositol-4,5-bisphosphate binding; protein binding; protein kinase C binding;

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