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Product datasheet for RC200902L3V

RhoGDI (ARHGDIA) (NM_004309) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RhoGDI (ARHGDIA) (NM_004309) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ARHGDIA
Synonyms:	GDIA1; HEL-S-47e; NPHS8; RHOGDI; RHOGDI-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004309
ORF Size:	612 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC200902).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_004309.3
RefSeq Size:	1920 bp
RefSeq ORF:	615 bp
Locus ID:	396
UniProt ID:	P52565
Cytogenetics:	17q25.3
Domains:	Rho_GDI
Protein Families:	Druggable Genome

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Protein Pathways: Neurotrophin signaling pathway

MW: 23.2 kDa

Gene Summary: This gene encodes a protein that plays a key role in the regulation of signaling through Rho GTPases. The encoded protein inhibits the disassociation of Rho family members from GDP (guanine diphosphate), thereby maintaining these factors in an inactive state. Activity of this protein is important in a variety of cellular processes, and expression of this gene may be altered in tumors. Mutations in this gene have been found in individuals with nephrotic syndrome, type 8. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]