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Product datasheet for RC217980L4V

Cytohesin 2 (CYTH2) (NM_017457) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cytohesin 2 (CYTH2) (NM_017457) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Cytohesin 2
Synonyms:	ARNO; CTS18; CTS18.1; cytohesin-2; PSCD2; PSCD2L; SEC7L; Sec7p-L; Sec7p-like
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_017457
ORF Size:	1200 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC217980).`
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_017457.3
RefSeq Size:	4625 bp
RefSeq ORF:	1203 bp
Locus ID:	9266
UniProt ID:	Q99418
Cytogenetics:	19q13.33
Domains:	Sec7, PH
Protein Families:	Druggable Genome

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MW: 46.6 kDa

Gene Summary: The protein encoded by this gene is a member of the PSCD family. Members of this family have identical structural organization that consists of an N-terminal coiled-coil motif, a central Sec7 domain, and a C-terminal pleckstrin homology (PH) domain. The coiled-coil motif is involved in homodimerization, the Sec7 domain contains guanine-nucleotide exchange protein (GEP) activity, and the PH domain interacts with phospholipids and is responsible for association of PSCDs with membranes. Members of this family appear to mediate the regulation of protein sorting and membrane trafficking. The encoded protein exhibits GEP activity in vitro with ARF1, ARF3, and ARF6 and is 83% homologous to CYTH1. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]