

## Product datasheet for **RC217976L3V**

### **ARHGEF11 (NM\_014784) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	ARHGEF11 (NM_014784) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ARHGEF11
Synonyms:	GTRAP48; PDZ-RHOGEF
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_014784
ORF Size:	4566 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217976).
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. <a href="#">More info</a>
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:	<a href="#">NM_014784.3</a>
RefSeq Size:	6784 bp
RefSeq ORF:	4569 bp
Locus ID:	9826
UniProt ID:	<a href="#">O15085</a>
Cytogenetics:	1q23.1
Domains:	RhoGEF, RGS, PDZ, PH
Protein Families:	Druggable Genome



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**Protein Pathways:** Vascular smooth muscle contraction

**MW:** 167.7 kDa

**Gene Summary:** Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein may form a complex with G proteins and stimulate Rho-dependent signals. A similar protein in rat interacts with glutamate transporter EAAT4 and modulates its glutamate transport activity. Expression of the rat protein induces the reorganization of the actin cytoskeleton and its overexpression induces the formation of membrane ruffling and filopodia. Two alternative transcripts encoding different isoforms have been described. [provided by RefSeq, Jul 2008]