

## Product datasheet for **MR209864L4V**

### Arhgap18 (NM\_176837) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Arhgap18 (NM_176837) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Arhgap18
Synonyms:	4833419J07Rik; AI314906; AI843501
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_176837
ORF Size:	1992 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209864).
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_176837.2</a> , <a href="#">NP_789807.1</a>
RefSeq Size:	3616 bp
RefSeq ORF:	1992 bp
Locus ID:	73910
UniProt ID:	<a href="#">Q8K0Q5</a>
Cytogenetics:	10 A4


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**Gene Summary:**

Rho GTPase activating protein that suppresses F-actin polymerization by inhibiting Rho. Rho GTPase activating proteins act by converting Rho-type GTPases to an inactive GDP-bound state. Plays a key role in tissue tension and 3D tissue shape by regulating cortical actomyosin network formation. Acts downstream of YAP1 and inhibits actin polymerization, which in turn reduces nuclear localization of YAP1. Regulates cell shape, spreading, and migration (By similarity).[UniProtKB/Swiss-Prot Function]