

Product datasheet for **RC218707L4V**

ARHGAP8 (NM_181335) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ARHGAP8 (NM_181335) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ARHGAP8
Synonyms:	BPGAP1; PP610
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_181335
ORF Size:	1299 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218707).
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_181335.2 , NP_851852.2
RefSeq Size:	1632 bp
RefSeq ORF:	1302 bp
Locus ID:	23779
UniProt ID:	P85298
Cytogenetics:	22q13.31
MW:	49.9 kDa



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Gene Summary:

This gene encodes a member of the RHOGAP family. GAP (GTPase-activating) family proteins participate in signaling pathways that regulate cell processes involved in cytoskeletal changes. GAP proteins alternate between an active (GTP-bound) and inactive (GDP-bound) state based on the GTP:GDP ratio in the cell. This family member is a multidomain protein that functions to promote Erk activation and cell motility. Alternative splicing results in multiple transcript variants. Read-through transcripts from the upstream proline rich 5, renal (PRR5) gene into this gene also exist, which led to the original description of PRR5 and ARHGAP8 being a single gene. [provided by RefSeq, Nov 2010]