

Product datasheet for **RC217556L4V**

RHOC (NM_175744) Human Tagged ORF Clone Lentiviral Particle

Product data:

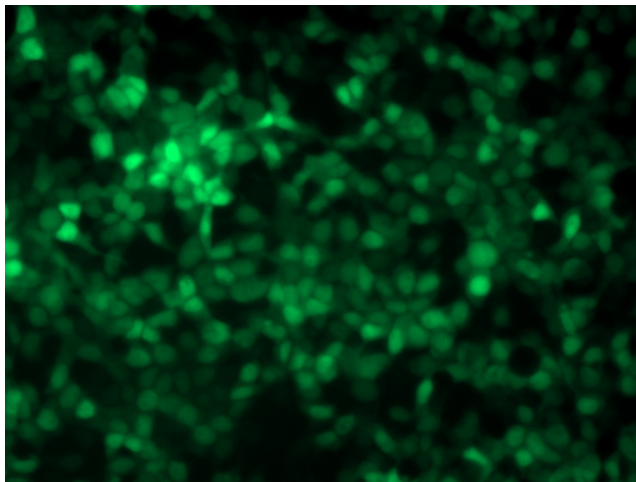
Product Type:	Lentiviral Particles
Product Name:	RHOC (NM_175744) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RHOC
Synonyms:	ARH9; ARHC; H9; RHOH9
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_175744
ORF Size:	579 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217556).
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_175744.3
RefSeq Size:	1116 bp
RefSeq ORF:	582 bp
Locus ID:	389
UniProt ID:	P08134
Cytogenetics:	1p13.2
Protein Families:	Druggable Genome
MW:	21.8 kDa



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Gene Summary:

This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. The protein encoded by this gene is prenylated at its C-terminus, and localizes to the cytoplasm and plasma membrane. It is thought to be important in cell locomotion. Overexpression of this gene is associated with tumor cell proliferation and metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]

Product images:

[RC217556L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC217556L4V particle to overexpress human RHOC-mGFP fusion protein.