

Product datasheet for **RC218815L4V**

Integrin alpha 9 (ITGA9) (NM_002207) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Integrin alpha 9 (ITGA9) (NM_002207) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Integrin alpha 9
Synonyms:	ALPHA-RLC; ITGA4L; RLC
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002207
ORF Size:	3105 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218815).
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_002207.2
RefSeq Size:	3962 bp
RefSeq ORF:	3108 bp
Locus ID:	3680
UniProt ID:	Q13797
Cytogenetics:	3p22.2
Domains:	FG-GAP
Protein Families:	Druggable Genome, Transmembrane



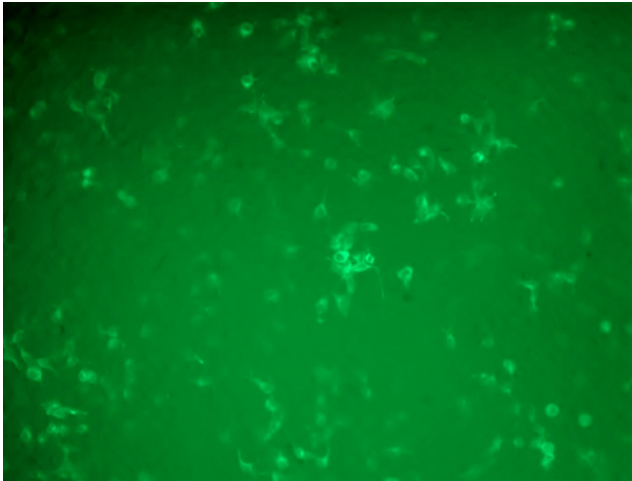
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Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cell adhesion molecules (CAMs), Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hypertrophic cardiomyopathy (HCM), Regulation of actin cytoskeleton

MW: 114.52 kDa

Gene Summary: This gene encodes an alpha integrin. Integrins are heterodimeric integral membrane glycoproteins composed of an alpha chain and a beta chain that mediate cell-cell and cell-matrix adhesion. The protein encoded by this gene, when bound to the beta 1 chain, forms an integrin that is a receptor for VCAM1, cytotactin and osteopontin. Expression of this gene has been found to be upregulated in small cell lung cancers. [provided by RefSeq, Jul 2008]

Product images:



[RC218815L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC218815L4V particle to overexpress human ITGA9-mGFP fusion protein.