

## Product datasheet for **RC211971L4V**

### Integrin alpha 1 (ITGA1) (NM\_181501) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Integrin alpha 1 (ITGA1) (NM_181501) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ITGA1
Synonyms:	CD49a; VLA1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_181501
ORF Size:	3537 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211971).
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_181501.1</a>
RefSeq Size:	4811 bp
RefSeq ORF:	3540 bp
Locus ID:	3672
UniProt ID:	<a href="#">P56199</a>
Cytogenetics:	5q11.2
Protein Families:	Druggable Genome, Transmembrane



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<b>Protein Pathways:</b>	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hematopoietic cell lineage, Hypertrophic cardiomyopathy (HCM), Regulation of actin cytoskeleton
<b>MW:</b>	130.8 kDa
<b>Gene Summary:</b>	This gene encodes the alpha 1 subunit of integrin receptors. This protein heterodimerizes with the beta 1 subunit to form a cell-surface receptor for collagen and laminin. The heterodimeric receptor is involved in cell-cell adhesion and may play a role in inflammation and fibrosis. The alpha 1 subunit contains an inserted (I) von Willebrand factor type I domain which is thought to be involved in collagen binding. [provided by RefSeq, Jul 2008]