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Product datasheet for RC212617L3V

CD49b (ITGA2) (NM_002203) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CD49b (ITGA2) (NM_002203) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ITGA2
Synonyms:	BR; CD49B; GPIa; HPA-5; VLA-2; VLAA2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_002203
ORF Size:	3543 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212617).
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_002203.2
RefSeq Size:	5361 bp
RefSeq ORF:	3546 bp
Locus ID:	3673
UniProt ID:	P17301
Cytogenetics:	5q11.2
Domains:	FG-GAP, VWA
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways:	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hematopoietic cell lineage, Hypertrophic cardiomyopathy (HCM), Pathways in cancer, Regulation of actin cytoskeleton, Small cell lung cancer
MW:	129.3 kDa
Gene Summary:	This gene encodes the alpha subunit of a transmembrane receptor for collagens and related proteins. The encoded protein forms a heterodimer with a beta subunit and mediates the adhesion of platelets and other cell types to the extracellular matrix. Loss of the encoded protein is associated with bleeding disorder platelet-type 9. Antibodies against this protein are found in several immune disorders, including neonatal alloimmune thrombocytopenia. This gene is located adjacent to a related alpha subunit gene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]