

OriGene Technologies, Inc.

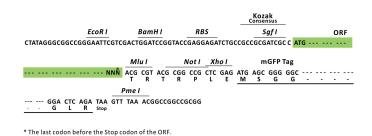
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for RC212617L2

CD49b (ITGA2) (NM_002203) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD49b (ITGA2) (NM_002203) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	CD49b
Synonyms:	BR; CD49B; GPIa; HPA-5; VLA-2; VLAA2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212617).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I ORF Miu I GCG ATC GC C <mark>ATG // NNN</mark> ACG CGT



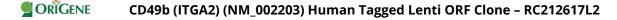
ACCN: ORF Size: NM_002203 3543 bp



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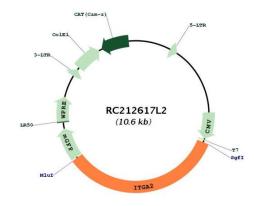
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of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amo of DNA can be purchased from OriGene with batch-specific, full-sequence verification at reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.The molecular sequence of this clone aligns with the gene accession number as a point or reference only. However, individual transcript sequences of the same gene can differ thr naturally occurring variations (e.g. polymorphisms), each with its own valid existence. Th clone is substantially in agreement with the reference, but a complete review of all preva variants is recommended prior to use. More infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expressi varies depending on the nature of the gene.Components:The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tub containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of was accenstitution Method:1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and then do a quick spin (less than 5000xg) to concentrate the l a the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from di shipping when stored at -20°C.RefSeq:NM 002203.2RefSeq ORF:3546 bpLocus ID:971301Origable Genome, TransmembraneProtein Families:Fugable Genome, TransmembraneProtein Families:Fugable Genome, Transmembrane	CD49b (ITGA2) (NM_002203) Human Tagged Lenti ORF Clone – RC212617L2	
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MW: 129.3 kDa	Protein Pathways:	receptor interaction, Focal adhesion, Hematopoietic cell lineage, Hypertrophic cardiomyopathy (HCM), Pathways in cancer, Regulation of actin cytoskeleton, Small cell lung
	MW:	129.3 kDa

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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]

Product images:



Circular map for RC212617L2

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