

Product datasheet for RC221606L1

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OriGene Technologies, Inc.

CD61 (ITGB3) (NM_000212) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CD61 (ITGB3) (NM_000212) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: CD61

Synonyms: BDPLT2; BDPLT16; BDPLT24; CD61; GP3A; GPIlla; GT; GT2

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

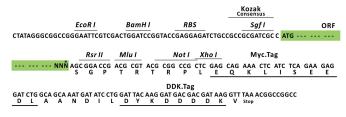
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC221606).

Sequence:

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_000212

ORF Size: 2364 bp





CD61 (ITGB3) (NM_000212) Human Tagged Lenti ORF Clone - RC221606L1

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution 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 incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

INB, EGF

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 000212.2</u>

 RefSeq Size:
 4894 bp

 RefSeq ORF:
 2367 bp

 Locus ID:
 3690

 UniProt ID:
 P05106

Cytogenetics: 17q21.32

Domains:

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, ECM-

receptor interaction, Focal adhesion, Hematopoietic cell lineage, Hypertrophic

cardiomyopathy (HCM), Regulation of actin cytoskeleton

MW: 87.1 kDa

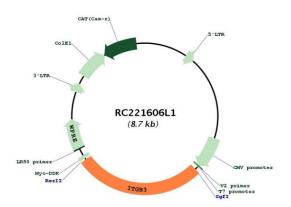
Gene Summary: The ITGB3 protein product is the integrin beta chain beta 3. Integrins are integral cell-surface

proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. Integrin beta 3 is found along with the alpha IIb chain in platelets. Integrins are known to participate in cell adhesion as well as cell-surface

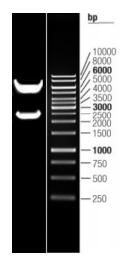
mediated signalling. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC221606L1



Double digestion of RC221606L1 using Sgfl and Rsrll