

Product datasheet for RC226157L4

OriGene Technologies, Inc.

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CD18 (ITGB2) (NM_001127491) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CD18 (ITGB2) (NM_001127491) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: CD18

Synonyms: CD18; LAD; LCAMB; LFA-1; MAC-1; MF17; MF17

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC226157).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001127491

ORF Size: 2307 bp





CD18 (ITGB2) (NM_001127491) Human Tagged Lenti ORF Clone - RC226157L4

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.

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 001127491.1, NP 001120963.1</u>

 RefSeq ORF:
 2310 bp

 Locus ID:
 3689

 UniProt ID:
 P05107

Cytogenetics: 21q22.3

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Natural killer cell

mediated cytotoxicity, Regulation of actin cytoskeleton, Viral myocarditis

MW: 84.78 kDa

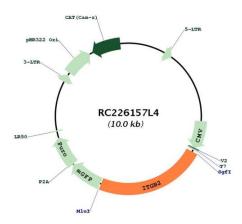
Gene Summary: This gene encodes an integrin beta chain, which combines with multiple different alpha

chains to form different integrin heterodimers. Integrins are integral cell-surface proteins that participate in cell adhesion as well as cell-surface mediated signalling. The encoded protein plays an important role in immune response and defects in this gene cause leukocyte adhesion deficiency. Alternative splicing results in multiple transcript variants. [provided by

RefSeq, Dec 2014]



Product images:



Circular map for RC226157L4