

Product datasheet for RC216459L2

OriGene Technologies, Inc.

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CD161 (KLRB1) (NM_002258) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CD161 (KLRB1) (NM_002258) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: CD161

Synonyms: CD161; CLEC5B; hNKR-P1A; NKR; NKR-P1A; NKR-P1A; NKR-P1A

Mammalian Cell None

Selection:

Vector:pLenti-C-mGFP (PS100071)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC216459).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_002258

ORF Size: 675 bp





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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.

12p13.31

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 002258.2</u>

 RefSeq Size:
 740 bp

 RefSeq ORF:
 678 bp

 Locus ID:
 3820

 UniProt ID:
 Q12918

Protein Families: Transmembrane

MW: 25.4 kDa

Cytogenetics:

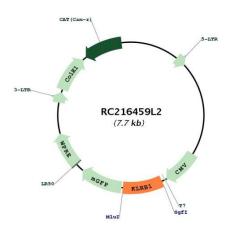
Gene Summary: Natural killer (NK) cells are lymphocytes that mediate cytotoxicity and secrete cytokines after

immune stimulation. Several genes of the C-type lectin superfamily, including the rodent NKRP1 family of glycoproteins, are expressed by NK cells and may be involved in the regulation of NK cell function. The KLRB1 protein contains an extracellular domain with several motifs characteristic of C-type lectins, a transmembrane domain, and a cytoplasmic domain. The KLRB1 protein is classified as a type II membrane protein because it has an

external C terminus. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC216459L2