

Product datasheet for RC219949L1

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OriGene Technologies, Inc.

LILRB1 (NM_006669) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: LILRB1 (NM_006669) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: LILRB1

Synonyms: CD85J; ILT-2; ILT2; LIR-1; LIR1; MIR-7; MIR7; PIR-B; PIRB

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(RC219949).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_006669

ORF Size: 1950 bp





LILRB1 (NM_006669) Human Tagged Lenti ORF Clone - RC219949L1

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 006669.2</u>, <u>NP 006660.1</u>

 RefSeq Size:
 3229 bp

 RefSeq ORF:
 1953 bp

 Locus ID:
 10859

 UniProt ID:
 Q8NHL6

 Cytogenetics:
 19q13.42

Domains: ig, IGc2, IG

MW: 70.8 kDa

Protein Families:

Gene Summary: This gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is

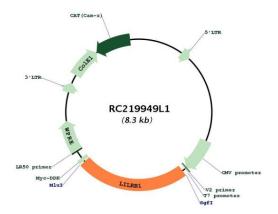
found in a gene cluster at chromosomal region 19q13.4. The encoded protein belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). The receptor is expressed on immune cells where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by

RefSeq, Jul 2008]

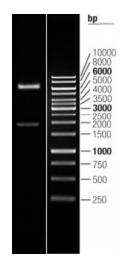
Transmembrane



Product images:



Circular map for RC219949L1



Double digestion of RC219949L1 using Sgfl and Mlul