

Product datasheet for SC336227

LILRB1 (NM_001278399) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB1 (NM_001278399) Human Untagged Clone
Tag:	Tag Free
Symbol:	LILRB1
Synonyms:	CD85J; ILT-2; ILT2; LIR-1; LIR1; MIR-7; MIR7; PIR-B; PIRB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC336227 representing NM_001278399. Blue=Insert sequence Red=Cloning site Green=Tag(s)

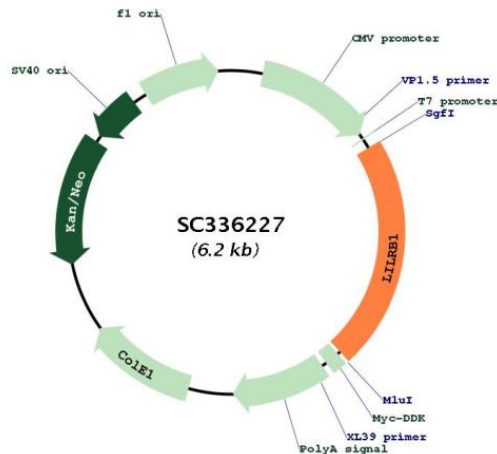
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001278399

Insert Size: 1371 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [NM_001278399.2](#)

RefSeq Size: 1690 bp

RefSeq ORF: 1371 bp

Locus ID: 10859

UniProt ID: [Q8NHL6](#)

Cytogenetics: 19q13.42

Protein Families: Transmembrane

MW: 49.4 kDa

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]

Transcript Variant: This variant (6) has a shorter 5' UTR, lacks several exons, and its 3'-terminal exon extends past a splice site that is used in variant 1. The resulting protein (isoform 6) has a shorter and distinct C-terminus, compared to isoform 1. Isoform 6 lacks the transmembrane domain found in isoform 1 and is suspected to be soluble (PMID: 19658091). Sequence Note: A downstream translational start codon is selected for this RefSeq based on its better conservation in mammalian species and on the presence of a predicted signal peptide in the protein N-terminus. An upstream in-frame start codon is also present but is only conserved in primates, and use of the upstream start codon would result in a protein that is 17 aa longer at the N-terminus and lacks a predicted signal peptide. Leaky scanning by ribosomes may allow translation initiation at the downstream start codon.