

## Product datasheet for **SC336533**

### LILRB2 (NM\_001278405) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB2 (NM_001278405) Human Untagged Clone
Tag:	Tag Free
Symbol:	LILRB2
Synonyms:	CD85D; ILT-4; ILT4; LIR-2; LIR2; MIR-10; MIR10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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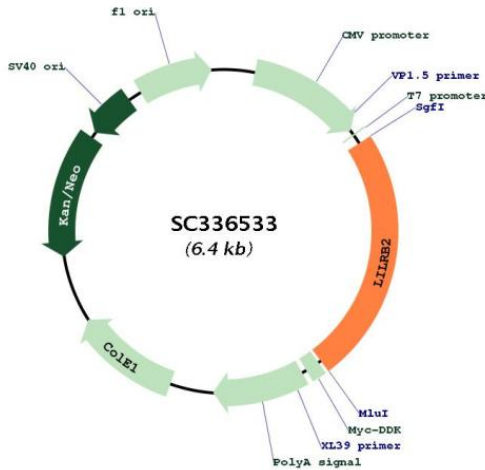
Fully Sequenced ORF: >SC336533 representing NM\_001278405.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGACCCCCATCGTCACAGTCTGTATCTGTCTCGGGCTGAGTCTGGGCCCCAGGACCCCGGTGCAGACA
GGGACCATCCCCAAGCCACCCTGTGGGCTGAGCCAGACTCTGTGATCACCCAGGGGAGTCCCGTCACC
CTCAGTTGT CAGGGGAGCCTTGAAGCCAGGAGTACCGTCTATATAGGGAGAAAAATCAGCATCTTGG
ATTACACGGATACGACCAGAGCTTGTGAAGAACGGCCAGTTCCACATCCCATCCATCACCTGGGAACAC
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM\_001278405

<b>Insert Size:</b>	1533 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001278405.2</a></u>
<b>RefSeq Size:</b>	2646 bp
<b>RefSeq ORF:</b>	1533 bp
<b>Locus ID:</b>	10288
<b>Cytogenetics:</b>	19q13.42
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	55.5 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (5) has a shorter 5' UTR, and lacks an internal exon which results in a frameshift and an early stop codon, compared to variant 1. The encoded isoform (4) has a shorter and distinct C-terminus, compared to isoform 1.</p>