

## Product datasheet for **SC321856**

### LILRB2 (NM\_005874) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB2 (NM_005874) 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-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_005874.1  
 GACGGCACAGCCAGATGCGAGATGCGTCTCTGCTGATCTGAGTCTGCCTGCAGCATGGAC  
 CTGGGTCTTCCCTGAAGCATCTCCAGGGCTGGAGGGACGACTGCCATGCACCCGAGGGCTC  
 ATCCATCCGCAGAGCAGGGCAGTGGGAGGAGACGCCATGACCCCCATCGTCACAGTCCTG  
 ATCTGTCTCGGGCTGAGTCTGGGCCCCAGGACCCACGTGCAGACAGGGACCATCCCCAAG  
 CCCACCCTGTGGGCTGAGCCAGACTCTGTGATCACCCAGGGGAGTCCCCTCACCCCTCAGT  
 TGTCCAGGGGAGCCTTGAAGCCCAGGAGTACCGTCTATATAGGGAGAAAAAATCAGCATCT  
 TGGATTACACGGATACGACCAGAGCTTGTGAAGAACGGCCAGTTCCACATCCCATCCATC  
 ACCTGGGAACACACAGGGCGATATGGCTGTCAATTACAGCCGCGCTCGGTGGTCTGAG  
 CTCAGTGACCCCTGGTCTGGTGTGATGACAGGAGCCTACCCAAAACCCACCCTCTCAGCC  
 CAGCCCAGCCCTGGTGTGACCTCAGGAGGAAGGGTACCCTCCAGTGTGAGTACAGGTG  
 GCATTTGGCGGCTTATTCTGTGAAGGAAGGAGAAGTGAACACCCACAATGCCTGAAC  
 TCCCAGCCCCATGCCGTGGTCTGCCGCGCCATCTTCTCCGTGGGCCCGTGAGCCCG  
 AATCGCAGGTGGTCGCACAGGTGCTATGGTTATGACTTGAACCTCCCTATGTGTGGTCT  
 TCACCCAGTGATCTCCTGGAGCTCCTGGTCCCAGGTGTTTCTAAGAAGCCATCACTCTCA  
 GTGCAGCCGGTCTGTGCTGGCCCTGGGAAAGCCTGACCCTCCAGTGTGTCTCTGAT  
 GTCGGCTATGACAGATTTGTTCTGTACAAGGAGGGGAACGTGACCTTCGCCAGCTCCCT  
 GGCCGGCAGCCCCAGGCTGGGCTCTCCAGGCCAATTACCCTGGGCCCTGTGAGCCGC  
 TCCTACGGGGGCCAGTACAGATGCTACGGTGCATACAACCTCTCCTCCGAGTGGTCCGGC  
 CCCAGCGACCCCTGGACATCCTGATCACAGGACAGATCCATGGCACACCCTTCACTCA  
 GTGCAGCCAGGCCACAGTGGCCTCAGGAGAGAACGTGACCCTGCTGTGTCAGTCATGG  
 CGGCAGTCCACACTTCTCTGACCAAGGCGGGAGCAGCTGATGCCCACTCCGTCTA  
 AGATCAATACAGAATATCCTAAGTACCAGGCTGAATTCATCCATGAGTCTGTGACCTCA  
 GCCACGCGGGGACCTACAGGTGCTACGGCTCACTCAACTCCGACCCCTACCTGTGTCT  
 CACCCAGTGAGCCCTGGAGCTCGTGGTCTCAGGACCCTCCATGGGTTCCAGCCCCCA  
 CCCACCGTCCCATCTCCACACCTGCAGGCCCTGAGGACCAGCCCTCACCCCACTGGG  
 TCGGATCCCCAAAGTGGTCTGGGAAGGCACCTGGGGTTGTGATCGGCATCTTGGTGGC  
 GTCGTCTACTGCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTC  
 GGCAAACACTGGACATCAACCCAGAGAAAGGCTGATTTCCAACATCCTGCAGGGGCTGTG  
 GGGCCAGAGCCCACAGACAGAGGCTGCAGTGGAGGTCCAGCCAGCTGCCGACGCCAG  
 GAAGAAAACCTCTATGCTGCCGTGAAGGACACACAGCCTGAAGATGGGGTGGAGATGGAC  
 ACTCGGGTGTGTCATCTGAAGCCCCCAGGATGTGACCTACGCCAGCTGCACAGCTTG  
 ACCCTCAGACGGAAGGCAACTGAGCCTCCTCCATCCCAGGAAGGGGAACCTCCAGCTGAG  
 CCCAGCATCTACGCCACCCTGGCCATCCACTAGCCCGAGGGTACGCAGACTCCACACTC  
 AGTAGAAGGAGACTCAGGACTGTGAAGGCACGGGAGCTGCCCCAGTGGACACCAATGA  
 ACCCCAGTCAGCCTGGACCCCTAACAAAGACCATGAGGAGATGCTGGAACTTTGGGACT  
 CACTTGATTCTGCAGTCGAAATAACTAATATCCCTACATTTTTTAATTAAGCAACAGAC  
 TTCTCAATAA  
 AA

- Restriction Sites:** Please inquire
- ACCN:** NM\_005874
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<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>NM_005874.1, NP_005865.1</u>
<b>RefSeq Size:</b>	2221 bp
<b>RefSeq ORF:</b>	1797 bp
<b>Locus ID:</b>	10288
<b>Cytogenetics:</b>	19q13.42
<b>Domains:</b>	ig, IGc2, IG
<b>Protein Families:</b>	Transmembrane
<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 (1) represents the longest transcript and encodes the longest isoform (1).</p>