

## Product datasheet for **SC315965**

### LILRB3 (NM\_001081450) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB3 (NM_001081450) Human Untagged Clone
Tag:	Tag Free
Symbol:	LILRB3
Synonyms:	CD85A; HL9; ILT-5; ILT5; LILRA6; LIR-3; LIR3; PIR-B; PIRB
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001081450 edited  
 ATGACGCCCGCCCTCACAGCCCTGCTCTGCCTTGGGCTGAGTCTGGGCCCCAGGACCCGC  
 GTGCAGGCAGGGCCCTTCCCAAACCCACCCTCTGGGCTGAGCCAGGCTCTGTGATCAGC  
 TGGGGGAGCCCGTGACCATCTGGTGTGACAGGGAGCCAGGAGGCCAGGAGTACCGACTG  
 CATAAAGAGGGAAGCCCAGAGCCCTTGGACAGAAATAACCCACTGGAACCCAAGAACAAG  
 GCCAGATTCTCCATCCCATCCATGACAGAGCACCATGCAGGGAGATACCGCTGCCACTAT  
 TACAGCTCTGCAGGCTGGTCAGAGCCCAGCGACCCCTGGAGATGGTGATGACAGGAGCC  
 TACAGCAAACCCACCCTCTCAGCCCTGCCAGCCCTGTGGTGGCCTCAGGGGGAATATG  
 ACCCTCCGATGTGGCTCACAGAAGGGATATCACCATTTTGTCTGATGAAGGAAGGAGAA  
 CACCAGCTCCCCGGACCCTGGACTCACAGCAGCTCCACAGTCGGGGTTCCAGGCCCTG  
 TTCCCTGTGGGCCCGTGACCCACGCCACAGGTGGAGTTTACATGCTATTACTATTAT  
 ACAAACACCCCTGGGTGTGGTCCCACCCAGTGACCCCTGGAGATTCTGCCCTCAGGC  
 GTGTCTAGGAAGCCCTCCCTCTGACCCTGCAGGGCCCTGTCTGGCCCTGGGCAGAGC  
 CTGACCCTCCAGTGTGGCTCTGATGTCGGCTACAACAGATTTGTCTGTATAAGGAGGGG  
 GAACGTGACTTCTCCAGCGCCCTGGCCAGCAGCCCAGGCTGGGCTCTCCAGGCCAAC  
 TTCACCCTGGGCCCTGTGAGCCCTCCAATGGGGCCAGTACAGGTGCTACGGTGCACAC  
 AACCTCTCCTCCGAGTGGTGGGCCCCAGCGACCCCTGAACATCCTGATGGCAGGACAG  
 ATCTATGACACCGTCTCCCTGTGACGACAGCCGGGCCACAGTGGCCTCAGGAGAGAAC  
 GTGACCCTGTGTGTCAGTCAATGGTGGCAGTTTGACACTTTCCTTCTGACCAAAGAAGGG  
 GCAGCCCATCCCCACTGCGTCTGAGATCAATGTACGGAGCTCATAAGTACCAGGCTGAA  
 TTCCCCATGAGTCTGTGACCTCAGCCCACGGGGACCTACAGGTGCTACGGCTCATA  
 AGCTCAAACCCCACTGCTGTCTCACCACAGTGGCCCTGGAGCTCGTGGTCTCAGGA  
 CACTCTGGAGGCTCCAGCCTCCCACCCACAGGGCCGCTCCACACCTGGTCTGGGAAGA  
 TACCTGGAGGTTTTGATTGGGGTCTCGTGGCCTTCGTCCTGCTGCTTCTCCTCCTCCTC  
 TTCTCCTCCTCCGACGTGACGTCACAGCAAACACAGGACATCTGACCAGAGAAAGACT  
 GATTTCCAGCGTCTGCAGGGGCTGCGGAGACAGAGCCCAAGGACAGGGGCTGTGAGG  
 AGGTCCAGCCCAGCTGCTGACGTCCAGGAAGAAAACCTCTATGCTGCCGTGAAGGACACA  
 CAGTCTGAGGACAGGGTGGAGCTGGACAGTCAAGAGAGCCACACGATGAAGACCCCCAG  
 GCAGTACGATGCCCCGGTGAACACTCCAGTCTAGGAGAGAAATGGCCTCTCCTCCC  
 TCCTCACTGTCTGGGAATTCTGGACAAAAGGACAGAGGTGAAGAGGACAGGCAG  
 ATGGACTGAGGCTGCTGCATCTGAAGCCTCCCAGGATGTGACCTACGCCAGTGCAC  
 AGCTTGACCCCTTAGACGGAAGGCAACTGAGCCTCCTCCATCCCAGGAAGGGGAACCTCCA  
 GCTGAGCCAGCATCTACGCCACTCTGGCCATCCACTAG

- Restriction Sites:** Please inquire
- ACCN:** NM\_001081450
- Insert Size:** 1900 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).
- 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.
- 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).

<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_001081450.1, NP_001074919.1</u>
<b>RefSeq Size:</b>	2843 bp
<b>RefSeq ORF:</b>	1899 bp
<b>Locus ID:</b>	11025
<b>Cytogenetics:</b>	19q13.42
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	B cell receptor signaling pathway
<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 longer transcript and encodes the longer isoform (1).</p>