

## Product datasheet for **RG219303**

### LILRB5 (NM\_001081443) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB5 (NM_001081443) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LILRB5
Synonyms:	CD85C; LIR-8; LIR8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG219303 representing NM\_001081443  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACCCTCACCTCTCAGTCTGATTTGCTCGGGCTGAGTGTGGGCCCCAGGACCTGCGTGCAGGCAG  
 GCACCCTCCCAAAACCCACCCTCTGGGCTGAGCCAGCCTCTGTGATAGCTCGGGGAAGCCCGTGACCT  
 CTGGTGTGAGGGGCCCTGGAGACTGAGGAGTACCGTCTGGATAAGGAGGGACTCCCATGGGCCCGAAG  
 AGACAGAACCCACTGGAGCCTGGAGCCAAGGCCAAGTTCCACATTCACCGTGTATGACAGTGCAG  
 GGCGATACCGTCTACTATGAGACCCCTGCAGGCTGGTGCAGAGCCAGTGACCCCTGGAGCTGGTGGC  
 GACAGGCGTGTCTAGGAAGCCCTCCCTCTGATCCCGAGGGCTCTGTCTGGCCCGGGAGGCAGCCTG  
 ACCCTGCAGTGTCTGATGTCGGCTATGACATATTCGTTCTGTACAAGGAGGGGAACATGACCTCG  
 TCCAGGGCTCTGGCCAGCAGCCCAGGCTGGGCTCTCCAGGCCAACTTACCCTGGGCCCTGTGAGCCG  
 CTCCACGGGGCCAGTACAGATGCTACGGTGCACACAACCTCTCCCTAGGTGGTGGCCCGGAGGCAG  
 CCCTGGACATCCTGATCGCAGGACTGATCCCTGACATACCCGCCCTCTCGGTGCAGCCGGCCCAAGG  
 TGGCTCAGGAGAGAACGTGACCCTGCTGTGTCAGTCATGGCATCAGATAGACACTTTCTTTTTGACCA  
 GGAGGGGGCAGCCATCCCCCGTGTGTCTAAAGTCAAAGTACCAGTCTTATAGACACCAGGCTGAATTC  
 TCCATGAGTCTGTGACCTCAGCCAGGGTGAACCTACCGATGCTACAGCGCAATCAGTCTTACCCT  
 ACCTGTGTCCAGCCCTAGTTACCCCAAGGAGCTCGTGGTCTCAGGACCTCTGGGGATCCAGCCCTC  
 ACCTACAGGCTCCACCCACACCTGCAGGCCCTGAGGACCAGCCCTCACCCACGGGGTGGATCCC  
 CAGAGTGGTCTGGGAAGGCACCTGGGGTTGTGACTGGGTCTCAGTGGCCTTCGTCTGCTGTCTTCC  
 TCCTCTTCTCCTCCTCCGACATCGGCATCAGAGCAACACAGGACATCGGCCATTTCTACCGTCC  
 TGCAGGGGCTGCGGGGCCAGAGCCAAGGACCAGGGCTGCAGAAGAGGGCCAGCCAGTTGCTGACATC  
 CAGGAGGAAATTCTCAATGCTGCGTGAAGGACACACAGCCAAGGACGGGGTGGAGATGGATGCTCGGG  
 CTGCTGCATCTGAAGCCCCCAGGATGTGACCTACGCCAGCTACACAGCTTGACCCTCAGACGGGAGGC  
 AACTGAGCCTCCTCCATCCAGGAAAGGAACCTCCAGCTGAACCCAGCATCTACGCCCCCTGGCCATC  
 CAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG219303 representing NM\_001081443  
 Red=Cloning site Green=Tags(s)

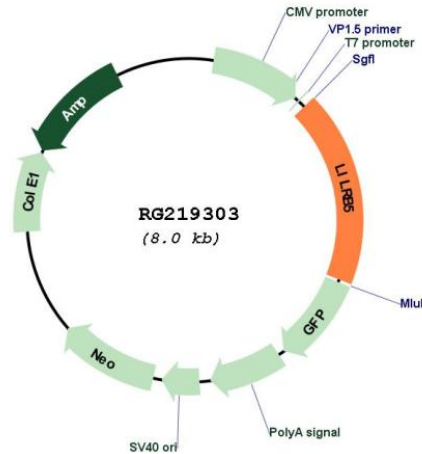
MTLTLVLIICLGLSVGPRTCVQAGTLPKPTLWAEPASVIARGKPVTLWCQGPLETEEYRLDKEGLPWARK  
 RQNPLEPGAKAKFHIPSTVYDSAGRYRCYYETPAGWSEPSDPLELVATGVSRRKPSLLIPQGSVVARGGSL  
 TLQCRSDVGYDIFVLKKEGEHDLVQSGGQPPQAGLSQANFTLGPVSRSHGGQYRCYGAHNLSPRWSAPSD  
 PLDILIAGLIPDIPALSVQPGPKVASGENVTLLCQSWHQIDTFFLTKEGAHPPLCLKSKYQSYRHQAEF  
 SMSPVTSAQGGTYRCYSAIRSYPYLLSSPSYPQELVVSGPSGDPSSLPTGSTPTPAGPEDQPLTPTGLDP  
 QSGLGRHLGVVTGVSVAFLVLLFLLFLLLRHRHQSKHRTSAHFYRPAGAAGPEPKDQGLQKRASPVADI  
 QEEILNAVKDTQPKDGVEMDARAAASEAPQDVTYAQLHSLTLRREATEPPPSQEREPPAEPSPYIAPLAI  
 H

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



**Plasmid Map:**


**ACCN:** NM\_001081443

**ORF Size:** 1473 bp

**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:** [NM\\_001081443.1](#), [NP\\_001074912.1](#)

**RefSeq Size:** 1982 bp

**RefSeq ORF:** 1476 bp

**Locus ID:** 10990

**UniProt ID:** [O75023](#)

**Cytogenetics:** 19q13.42

**Protein Families:** Transmembrane

**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). Several other LIR subfamily B receptors are expressed on immune cells where they bind to MHC class I molecules on antigen-presenting cells and inhibit stimulation of an immune response. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]