

## Product datasheet for **RG239163**

### LILRB1 (NM\_001278398) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB1 (NM_001278398) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LILRB1
Synonyms:	CD85J; ILT-2; ILT2; LIR-1; LIR1; MIR-7; MIR7; PIR-B; PIRB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239163 representing NM\_001278398.  
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGACCCCCATCCTCACGGTCTGATCTGTCTCGGGCTGAGTCTGGGCCCCGGACCCACGTGCAGGCA
GGGCACCTCCCCAAGCCACCCTCTGGGCTGAACCAGGCTCTGTGATCACCCAGGGGAGTCTGTGACC
CTCAGGTGT CAGGGGGCCAGGAGACCCAGGAGTACCGTCTATATAGAGAAAAGAAAACAGCACCCCTGG
ATTACACGGATCCACAGGAGCTTGTGAAGAAGGGCCAGTTCCCCATCCCATCCATCACCTGGGAACAC
ACAGGGCGGTATCGCTGTTACTATGGTAGCGACTGCAGGCCGCTCAGAGAGCAGTGACCCCTGGAG
CTGGTGGTGACAGGAGCTACATCAAACCACCCTCTCAGCCCAGCCAGCCCCGGTGAACCTCAGGA
GGGAATGTAACCTCCAGTGTGACTCACAGGTGGCATTGATGGCTTCATTCTGTGTAAGGAAGGAGAA
GATGAACACCCACAATGCCTGAACTCCCAGCCCCATGCCCGTGGTGTCTCCCGGCCATCTTCTCCGTG
GGCCCCGTGAGCCCGAGTCGAGGTGGTGTACAGGTGCTATGCTTATGACTCGAACTCTCCCTATGAG
TGGTCTCTACCCAGTGTCTCCTGGAGCTCCTGGTCTAGGTGTTCTAAGAAGCCATCACTCTCAGTG
CAGCCAGGTCTATCGTGGCCCCGAGGAGACCCGACTCTGCAGTGTGGCTCTGATGCTGGCTACAAC
AGATTTGTTCTGTATAAGGACGGGAACGTGACTTCTTCAGCTCGTGGCGCACAGCCCCAGGCTGGG
CTCTCCAGGCCAACTTCACCCTGGGCCCTGTGAGCCGCTCTACGGGGGCCAGTACAGATGCTACGGT
GCACACAACCTCTCCTCCGAGTGGTCCGGCCCCAGCGACCCCTGGACATCCTGATCGCAGGACAGTTC
TATGACAGAGTCTCCCTCTCGGTGCAGCCGGGGCCCCACGGTGGCCTCAGGAGAGAACGTGACCCCTGCTG
TGTCAGTACAGGGATGGATGCAAACCTTCTTCTGACCAAGGAGGGGGCAGTGTGACCCATGGCGT
CTAAGATCAACGTACCAATCTCAAAAATACCAGGCTGAATCCCCATGGGTCTGTGACTCAGCCCAT
CGGGGACCTACAGGTGCTACGGCTCACAGAGCTCAAACCCCTACCTGCTGACTCACCCAGTACAGCC
CTGGAGTCTGTGGTCTCAGCAGGCCCTGAGGACCCAGCCCTCACCCACCCGGGTGGGATCCCCAGAGT
GGTCTGGGAAGGCACCTGGGGTGTGATCGGCATCTTGGTGGCCGTCATCCTACTGCTCCTCCTCCTC
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GATTTCCAACATCCTGCAGGGGCTGTGGGGCCAGAGCCACAGACAGAGGCTGCAGTGGAGGTCCAGC
CCAGCTGCCGATGCCAGGAAGAAAACCTCTATGCTGCCGTGAAGCACACACAGCCTGAGGATGGGGTG
GAGATGGACTCGGAGCCACACGATGAAGACCCCCAGGCAGTACGATGCGGAGGTGAAACACTCC
AGACCTAGGAGAGAAATGGCCTCTCCTCCTCCCCACTGTCTGGGAATTCCTGGACACAAAGGACAGA
CAGGCGGAAGAGGACAGGACAGTGGACTGAGGCTGCTGCATCTGAAGCCCCCAGGATGTGACCTAC
GCCAGCTGCACAGCTTGACCCTCAGACGGGAGGCAACTGAGCCTCCTCCATCCCAGGAAGGGCCCTCT
CCAGCTGTGCCAGCATCTACGCCACTCTGGCCATCCAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:**

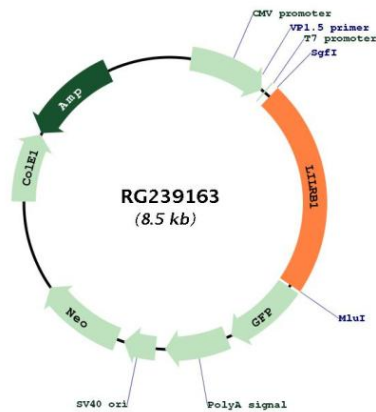
>Peptide sequence encoded by RG239163  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MTPILTVL ICLGLSLGPRTHVQAGHLPKPTLWAEPGSVITQGSPVTLRCQGGQETQEYRLYREKKTAPW
ITRIPQELVKKGQFP I P S I T W E H T G R Y R C Y Y G S D T A G R S E S S D P L E L V V T G A Y I K P T L S A Q P S P V V N S G
G N V T L Q C D S Q V A F D G F I L C K E G E D E H P Q L N S Q P H A R G S S R A I F S V G P V S P S R R W W Y R C Y A Y D S N S P Y E
W S L P S D L L E L L V L G V S K K P S L S V Q P G P I V A P E E T L T L Q C G S D A G Y N R F V L Y K D G E R D F L Q L A G A Q P Q A G
L S Q A N F T L G P V S R S Y G G Q Y R C Y G A H N L S S E W S A P S D P L D I L I A G Q F Y D R V S L S V Q P G P T V A S G E N V T L L
C Q S Q G W M Q T F L L T K E G A A D D P W R L R S T Y Q S Q Y Q A E F P M G P V T S A H A G T Y R C Y G S Q S K P Y L L T H P S D P
L E L V V S A G P E D Q P L T P T G S D P Q S G L G R H L G V V I G I L V A V I L L L L L L L L F L I L R H R R Q G K H W T S T Q R K A
D F Q H P A G A V G P E P T D R G L Q W R S S P A A D A Q E E N L Y A A V K H T Q P E D G V E M D T R S P H D E D P Q A V T Y A E V K H S
R P R R E M A S P P S P L S G E F L D T K D R Q A E E D R Q M D T E A A A S E A P Q D V T Y A Q L H S L T L R R E A T E P P P S Q E G P S
P A V P S I Y A T L A I H
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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**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]

**Product images:**


Circular map for RG239163