

## Product datasheet for **RG238333**

### LILRB1 (NM\_001278399) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB1 (NM_001278399) 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)
ORF Nucleotide Sequence:	>RG238333 representing NM_001278399. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCCCATCCTCACGGTCTGATCTGTCTCGGGCTGAGTCTGGGCCCGGACCCACGTGCAGGCA
GGGCACCTCCCCAAGCCACCCCTCTGGGCTGAACCAGGCTCTGTGATCACCCAGGGGAGTCTGTGACC
CTCAGGTGTGAGGGGGCCAGGAGACCCAGGAGTACCGTCTATATAGAGAAAAGAAAACAGCACCCCTGG
ATTACACGGATCCACAGGAGCTTGTGAAGAAGGGCCAGTTCCCCATCCCATCCATCACCTGGGAACAC
ACAGGGCGGTATCGCTGTTACTATGGTAGCGACTGCAGGCCGCTCAGAGAGCAGTGACCCCTGGAG
CTGGTGGTGACAGGAGCCTACATCAAACCCACCCTCTCAGCCCAGCCAGCCCCGTGGTGAACCTCAGGA
GGGAATGTAACCCCTCCAGTGTGACTCACAGGTGGCATTGATGGCTTCATTCTGTGTAAGGAAGGAGAA
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CAGCCAGGTCTATCGTGGCCCCTGAGGAGACCCTGACTCTGCAGTGTGGCTCTGATGCTGGCTACAAC
AGATTTGTTCTGTATAAGGACGGGGAACGTGACTTCCTCAGCTCGTGGCGCACAGCCCCAGGCTGGG
CTCTCCAGGCCAACTTCAACCTGGGCCCTGTGAGCCGCTCCTACGGGGCCAGTACAGATGCTACGGT
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GCGGGGACCTACAGGTGCTACGGCTCACAGAGCTCCAACCCCTACCTGCTGACTCACCCAGTGACCCC
CTGGAGCTCGTGGTCTCAGGACCGTCTGGGGGCCAGCTCCCCGACAACAGGCCCCACCTCCACATCT
GCAGGCCCTGAGGACCAGCCCTCACCCACCGGTGGATCCCCAGAGTGGTGAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG238333  
 Blue=ORF Red=Cloning site Green=Tag(s)

MTPILTVL ICLGLSLGPRTHVQAGHLPKPTLWAEPGSVITQGSPVTLRCQGGQETQEYRLYREKKTAPW  
 ITRIPQELVKKGQFPIPSITWEHTGRYRCYYGSDTAGRSESSDPLEL VVTGAYIKPTLSAQPSVNSG  
 GNVTLQCDSQVAFDGFILCKEGEDEHPQCLNSQPHARGSSRAIFSVGPVSPRRRWWYRCYAYDSNSPYE  
 WSLPSDLLELLVLGVSKKPSLSVQPGPIVAPEETLTLQCGSDAGYNRFVLYKDGGERDFLQLAGAQPQAG  
 LSQANFTLGPVSRSYGGQYRCYGAHNLSEWSAPSDPLDLIAGQFYDRVSLSVQPGPTVASGENVTLL  
 CQSQGWMTFLLLTKEGAADDPWRLRSTYQSQYQAEFPMGPV TSAHAGTYRCYGSQSSKPYLLTHPSDP  
 LELVVS GPGSPSSPTTGPTST SAGPEDQPLTPTGSDPQSGE  
**TR**TRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001278399

**ORF Size:** 1368 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).

**RefSeq:** [NM\\_001278399.2](#), [NP\\_001265328.2](#)

RefSeq Size: 1690 bp

RefSeq ORF: 1371 bp

Locus ID: 10859

UniProt ID: [Q8NHL6](#)

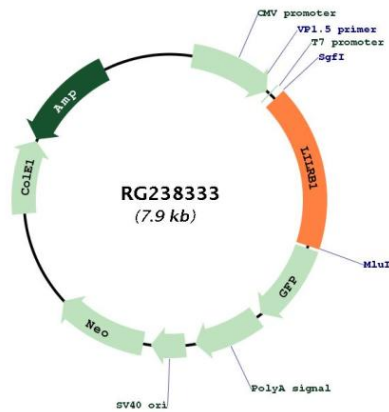
Cytogenetics: 19q13.42

Protein Families: Transmembrane

MW: 49.8 kDa

**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 RG238333