

Product datasheet for **RG238327**

LILRB2 (NM_001278406) Human Tagged ORF Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | LILRB2 (NM_001278406) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | LILRB2 |
| Synonyms: | CD85D; ILT-4; ILT4; LIR-2; LIR2; MIR-10; MIR10 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG238327 representing NM_001278406. Blue=ORF Red=Cloning site Green=Tag(s) |

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCCCATCGTCACAGTCTGTCTCGGGCTGAGTCTGGGCCCCAGGACCCGCGTGCAGACA
GGGACCATCCCCAAGCCACCCCTGTGGGCTGAGCCAGACTCTGTGATCACCCAGGGGAGTCCCGTACC
CTCAGTTGTGAGGGGAGCCTTGAAGCCAGGAGTACCGTCTATATAGGGAGAAAAATCAGCATCTTGG
ATTACACGGATACGACCAGACTTGTGAAGAACGGCCAGTCCACATCCCATCCATCACCTGGGAACAC
ACAGGGCGATATGGCTGTCAGTATTACAGCCGCGCTCGGTGGTCTGAGCTCAGTACCCCTGGTGTG
GTGATGACAGGAGCCTACCCAAAACCCACCTCTCAGCCAGCCAGCCCTGTGGTGACCTCAGGAGGA
AGGGTGACCTCCAGTGTGAGTACAGGTGGCATTGGCGGCTTATTCTGTGTAAAGGAAGGAGAAGAT
GAACACCCACAATGCCTGAACTCCAGCCCATGCCCCTGGGTGCTCCCGGCCATCTTCTCCGTGGGC
CCCGTGAGCCGAATCGCAGGTGGTGCACAGGTGCTATGGTTATGACTTGAACCTCTCCCTATGTGTGG
TCTTACCCAGTGTCTCCTGGAGCTCCTGGTCCCAGGTGTTCTAAGAAGCCATCACTCTCAGTGCAG
CCGGTCTGTGATGGCCCTGGGAAAGCCTGACCTCCAGTGTGTCTGTGATGTCGGCTATGACAGA
TTTGTCTGTACAAGGAGGGGAAACGTGACCTTCGCCAGCTCCCTGGCCGGCAGCCCAAGGCTGGGCTC
TCCAGGCCAACTTACCCTGGGCCCTGTGAGCCGCTCCTACGGGGCCAGTACAGATGCTACGGTGCA
CACAACCTCTCCTGAGTGTGCGCCCCAGCCAGCCCTGGACATCCTGATCACAGGACAGATCCGT
GGCACACCCTTCACTCAGTGCAGCCAGGCCCCACAGTGGCCTCAGGAGAGAACGTGACCCTGCTGTGT
CAGTCATGGCGGAGTCCACACTTTCTTCTGACCAAGCGGGAGCAGTGTGATGCCCACTCCGCTCTA
AGATCAATACAGAAATCCTAAGTACCAGGCTGAATCCCCATGAGTCTGTGACCTCAGCCACGCG
GGGACCTACAGGTGCTACGGTCACTCACTCCGACCCCTACCTGCTGTCTACCCCAAGTGGCCCTG
GAGCTCGTGGTCTCAGGACCTCCATGGTTCCAGCCCCCACCACCGTCCCATCTCCACACCTGCA
GGCCCTGAGGACCAGCCCTCACCCCACTGGGTGGATCCCCAAAGTGGTGAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238327
 Blue=ORF Red=Cloning site Green=Tag(s)

MTPIVTVL ICLGLSLGPRTRVQTGTIPKPTLWAEPSVITQGSPVTLSCQGSLEAQEYRLYREKKSASW
 ITRIRPELVKNGQFHIPSITWEHTGRYGCQYYSRARWSELSDPLVLVMTGAYPKPTLSAQSPVVTSGG
 RVTLQCESQVAFGGF ILCKEGEDEHPQCLNSQPHARGSSRAIFSVGPVSPNRRWSHRCYGYDLNSPYVW
 SSPSDLLELLVPGVSKKPSLSVQPGPVMAPGESLTLQCVSDVGYDRFVLYKEGERDLRQLPGRQPQAGL
 SQANFTLGPVSRSYGGQYRCYGAHNLSSSECSAPSDPLDILITGQIRGTPFISVQPGPTVASGENVTLLC
 QSWRQFHFTLLTKAGAADAPRLRLRSIHEYPKYQAEFPMSPVTSAHAGTYRCYGSLSNDPYLLSHPSEPL
 ELVVSGPSMGSSPPPTGPISTPAGPEDQPLTPTGSDPQSGE
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001278406

ORF Size: 1365 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_001278406.2](#), [NP_001265335.2](#)

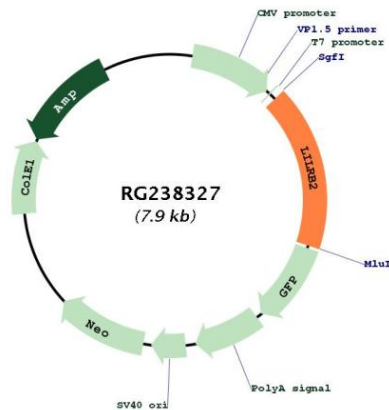
RefSeq Size: 1422 bp
 RefSeq ORF: 1368 bp

Locus ID: 10288
 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 RG238327