

Product datasheet for **RG238487**

LILRB2 (NM_001278404) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB2 (NM_001278404) 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:	>RG238487 representing NM_001278404. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACAGGAGCCTACCCAAAACCCACCCTCTCAGCCAGCCAGCCCTGTGGTGACCTCAGGAGGAAGG
GTGACCCCTCCAGTGTGAGTACAGGTGGCATTGGCGGCTTCATTCTGTGTAAGGAAGGAGAAGATGAA
CACCCACAATGCCTGAACCTCCAGCCCCATGCCGTGGTCTCCCGGCCATCTCTCCGTGGGCCCC
GTGAGCCCGAATCGCAGGTGGTCGCACAGGTGCTATGGTTATGACTTGAACCTCCCTATGTGTGGTCT
TCACCCAGTGATCTCCTGGAGCTCCTGGTCCCAGGTGTTTCTAAGAAGCCATCACTCTCAGTGCAGCCG
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GTTCTGTACAAGGAGGGGAACGTGACCTTCGCCAGCTCCCTGGCCGGCAGCCCCAGGCTGGGCTCTCC
CAGGCCAACTTCACTCCCTGGGCCCTGTGAGCCGCTCCTACGGGGCCAGTACAGATGCTACGGTGCACAC
AACCTCTCCTCTGAGTGTCTGGCCCCCAGCGACCCCTGGACATCCTGATCACAGGACAGATCCGTGGC
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TCATGGCGGCAGTTCACACTTTCCTTCTGACCAAGGCGGGAGCAGTGTGCCCCACTCCGTCTAAGA
TCAATACAGCAATATCCTAAGTACCAGGCTGAATCCCCATGAGTCTGTGACCTCAGCCCACGCGGGG
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CTCGTGGTCTCAGGACCCTCCATGGGTTCCAGCCCCCACCACCGGTCCCATCCACACCTGACGGC
CCTGAGGACCAGCCCTCACCCCACTGGGTCCGATCCCCAAAGTGGTCTGGGAAGGCACCTGGGGTT
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CATCGACGTCAGGGCAAACACTGGACATCGACCCAGAGAAAGGCTGATTTCCAACATCCTGCAGGGGCT
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TCTGAAGCCCCCAGGATGTGACCTACGCCAGCTGCACAGCTTGACCCTCAGACGGAAGGCAACTGAG
CCTCCTCCATCCAGGAAAGGAACTCCAGCTGAGCCAGCATCTACGCCACCTGGCCATCCAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238487
 Blue=ORF Red=Cloning site Green=Tag(s)

MTGAYPKPTLSAQPSVVTSGGRVTLQCESQVAFGGFILCKEGEDEHPQCLNSQPHARGSSRAIFSVGP
 VSPNRRWSHRCYGYDLNSPYVWSSPSDLELLVPGVSKKPSLSVQPGPVMAPGESLTLQCVSDVGYDRF
 VLYKEGERDLRQLPGRQPQAGLSQANFTLGPVSRSYGGQYRCYGAHNLSSSECSAPSDPLDILITGQIRG
 TPFISVQPGPTVASGENVTLCCQSWRFHTFLLTKAGAADAPLRLRSIHEYPKYQAEFPMSPVTSAHAG
 TYRCYGLNSDPYLLSHPSELELVVSGPSMGSSPPPTGPISTPAGPEDQPLTPTGSDPQSLGRHLGV
 VIGILVAVVLLLLLLLLLFLILRHRRQGHWTSTQRKADFQHPAGAVGPEPTDRGLQWRSSPAADAQEE
 NLYAAVKDTQPEDGVEMDTRAAASEAPQDVTYAQLHSLTLRRKATEPPPSQEREPPEPSIYATLAIH
TRTRPLEMESDESGLPAMEIECRITGLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001278404

ORF Size: 1446 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_001278404.2](#), [NP_001265333.2](#)

RefSeq Size: 2789 bp

RefSeq ORF: 1449 bp

Locus ID: 10288

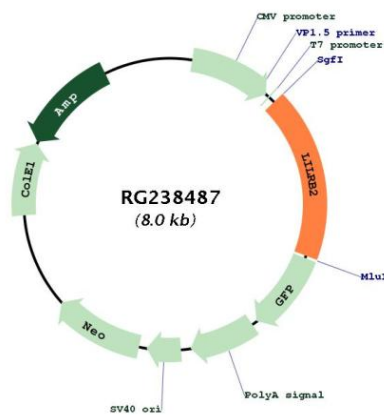
Cytogenetics: 19q13.42

Protein Families: Transmembrane

MW: 52.4 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 RG238487