

Product datasheet for **RG239034**

LILRB2 (NM_001278403) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB2 (NM_001278403) 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)



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ORF Nucleotide Sequence:

>RG239034 representing NM_001278403.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGACCCCCATCGTCACAGTCTGATCTGTCTCGGGCTGAGTCTGGGCCAGGACCCCGTGCAGACA
GGGACCATCCCCAAGCCACCCTGTGGCTGAGCCAGACTCTGTGATCACCCAGGGGAGTCCCGTACC
CTCAGTTGT CAGGGGAGCCTTGAAGCCAGGAGTACCGTCTATATAGGGAGAAAAATCAGCATCTTGG
ATTACACGGATACGACCAGAGCTTGTGAAGAACGGCCAGTTCACATCCCATCCATCACCTGGGAACAC
ACAGGGCGATATGGCTGT CAGTATTACAGCCGCGCTCGGTGGTCTGAGCTCAGTGACCCCTGGTCTG
GTGATGACAGGAGCCTACCCAAAACCCACCCTCTCAGCCAGCCAGCCCTGTGGTGACCTCAGGAGGA
AGGGTGACCTCCAGTGTGAGTACAGGTGGCATTGGCGGCTTATTCTGTGTAAGGAAGGAGAAGAT
GAACACCCACAATGCCTGAACTCCAGCCCATGCCCCTGGTCTGCCGCGCCATCTTCTCCGTGGGC
CCCGTGAGCCGAATCGCAGGTGGTGCACAGGTGCTATGGTTATGACTTGAAGTCTCCCTATGTGTGG
TCTTACCAGTGTCTCTGGAGCTCCTGGTCCAGGTGTTCTAAGAAGCCATCACTCTCAGTGCAG
CCGGTCTGTGATGCCCCTGGGAAAGCCTGACCCTCAGTGTGTCTCTGATGTCGGCTATGACAGA
TTTGTCTGTACAAGGAGGGGAACGTGACCTTCGCCAGCTCCCTGGCCGCGAGCCAGCTGGGCTC
TCCCAGGCCAACTTACCTGGGCCCTGTGAGCCGCTCCTACGGGGGCCAGTACAGATGCTACGGTGCA
CACAACTCTCTCTGAGTGTCTGGCCCCAGCGACCCCTGGACATCCTGATCACAGGACAGATCCGT
GGCACACCCTTCACTCAGTGCAGCCAGGCCACAGTGGCTCAGGAGAGAAGCTGACCCCTGCTGTGT
CAGTCAATACACGAATATCCTAAGTACCAGGCTGAATCCCCATGAGTCTGTGACCTCAGCCACGCG
GGGACCTACAGGTGCTACGGCTCACTCACTCCAGCCCTACCTGTGTCTCAGCCAGTGGCCCTG
GAGCTCGTGGTCTCAGGACCCTCCATGGGTTCCAGCCCCCACCACCGTCCCATCTCCACACCTGGC
CCTGAGGACCAGCCCTACCCCACTGGTCTGGATCCCCAAAGTGGTCTGGGAAGGCACCTGGGGTT
GTGATCGGCATCTTGGTGGCCGTCGCTCTACTGCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTC
CATCGACGTGAGGCAAACTGGACATCGACCCAGAGAAAGGCTGATTTCAACATCCTGCAGGGGCT
GTGGGGCCAGAGCCACAGACAGAGGCTGAGTGGAGTCCAGCCAGCTGCCGACGCCAGGAAGAA
AACCTCTATGCTGCCGTGAAGGACACACAGCCTGAAGTGGGGTGGAGATGGACTCGGGCTGCTGCA
TCTGAAGCCCCCAGGATGTGACCTACGCCAGCTGCACAGCTTGACCCTCAGACGGAAGGCAACTGAG
CCTCCTCCATCCCAGAAAGGGAACCTCCAGCTGAGCCAGCATCTACGCCACCTGGCCATCCAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence:

>Peptide sequence encoded by RG239034
 Blue=ORF Red=Cloning site Green=Tag(s)

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MTPIVTVL ICLGSLGPRTRVQTG IIPKPTLWAE PDSVITQ GSPVTLSCQGSLEAQEYRL YREKKSASW
ITRIRPELVKNGQFHIPSITWEHTGRYGCQYYSRARWSELSDPLVLVMTGAYPKPTLSAQSPVVTSGG
RVTLQCESQVAFGGF ILCKEGEDHPQLNSQPHARGSSRAIFSVGPVSPNRRWSHRCYGYDLNSPYVW
SSPSDLELLVPGVSKKPSLSVQPGPVMAPGESLTLQCVSDVGYDRFVL YKEGERDLRQLPGRQPQAGL
SQANFTLGPVRSYGGQYRCYGAHNL SSECSAPSDPLDILITGQIRGTPFISVQPGPTVASGENVTLLC
QSWRQFHTFLLTKAGAADAPLRLSIHEYPKYQAEFPMSPV TSAHAGTYRCYGLNSDPYLLSHPSEPL
ELVVS GSPSMGSSPPPTGPISTPGPEDQPLTPTGSDPQSGLGRHLGVVIGILVAVVLLLLLLLLLFLILR
HRRQGHWTSTQRKADFQHPAGAVGPEPTDRGLQWRSSPAADAQEENLYAAVKDTPEDGVEMDTRAAA
SEAPQDVTYAQLHSLTLRRKATEPPPSQEREPPAEP SIYATLAIH
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites:

Sgfl-Mlul

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_001278403.2 , NP_001265332.2
RefSeq Size:	2799 bp
RefSeq ORF:	1794 bp
Locus ID:	10288
Cytogenetics:	19q13.42
Protein Families:	Transmembrane
MW:	65.5 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]