

## Product datasheet for **RG238292**

### LILRB4 (NM\_001278426) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB4 (NM_001278426) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LILRB4
Synonyms:	CD85K; ILT-3; ILT3; LIR-5; LIR5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238292 representing NM_001278426. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATCCCCACCTTCACGGCTCTGCTCTGCCTCGGGCTGAGTCTGGGCCCCAGGACCCACATGCAGGCA
GGGCCCTCCCCAAACCCACCCTCTGGGCTGAGCCAGGCTCTGTGATCAGCTGGGGAACTCTGTGACC
ATCTGGTGTGAGGGACCTGGAGGCTCGGGAGTACCGTCTGGATAAAGAGGAAAGCCAGCACCCCTGG
GACAGACAGAACCCTGGAGCCCAAGAACAAGGCCAGATTCTCCATCCCATCCATGACAGAGGACTAT
GCAGGGAGATACCGTGTACTATCGCAGCCCTGTAGGCTGGTCACAGCCAGTGACCCCTGGAGCTG
GTGATGACAGGAGCCTACAGTAAACCCACCCTTTCAGCCCTGCCGAGTCCCTTTGTGACCTCAGGAAAG
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CATCCCCACTGTCATCTGAGATCAGAGCACGGAGCTCAGCAGCACCCAGGCTGAATTCATGAGTCCCT
GTGACCTCAGTGACGGGGGACCTACAGGTGCTTTCAGCTCACACGGCTTCTCCACTACCTGCTGTCA
CACCCAGTGACCCCTGGAGCTCATAGTCTCAGGATCCTTGGAGGGTCCCAGGCCCTCACCCACAAGG
TCCGTCTCAACAGCTGCAGGCCCTGAGGACCAGCCCTCATGCCTACAGGGTCACTCCCCACAGTGGT
CTGAGAAGGCACTGGGAGTACTGATCGGGTCTTGGTGGTCTCCATCCTGCTTCTCCCTCCTCCTC
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GACGTCAGGGGAGAAAATTTCTGTGCTGCCGTGAAGAACACACAGCCTGAGGACGGGGTGGAAATGGAC
ACTCGGCAGAGCCACACGATGAAGACCCCGAGGAGTACGTATGCCAAGGTGAAAACACTCCAGACCT
AGGAGAGAAATGGCTCTCCTCCCTCCCACTGTCTGGGGAATTCCTGGACACAAAGGACAGACAGGCA
GAAGAGGACAGACAGATGGACTGAGGCTGCTGCATCTGAAGCCCCCAGGATGTGACCTACGCCCGG
CTGCACAGCTTTACCCTCAGACAGAAGGCAACTGAGCCTCCTCCATCCCAGGAAGGGCCTCCTCAGT
GAGCCAGTGTCTATGCCACTCTGGCCATCCAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG238292  
 Blue=ORF Red=Cloning site Green=Tag(s)

MIPTFTALLCLGLSLGPRTHMQAGPLPKPTLWAEPGSVISWGN SVTIWCQGTLEAREYRLDKEESPAPW  
 DRQNPLEPKNKARF SIPSMTEDYAGRYRCYYRSPV GWSQPSDPLEL VMTGAYSKPTLSALPSPLVTS GK  
 SVTLLCQSRSPMDTFLLIKERAHPLLHLRSEHGAQQHQAEFPMSPVTSVHG GTYRCFSSHGF SHYLLS  
 HPSDPLELIVSGSLEGRPSPTRSVSTAAGPEDQPLMPTG SVPHSGLRRHWEVLIGVLVVSILL LLLL  
 FLLLQHW RQGHRTLAQRQADFQRPPGAAEPEPKD GGLQRRSSPAADVQENFCAA VKNTQPEDGVEMD  
 TRQSPHDEDPQAVTYAKVKHSRPRREMASPPSPLSGEFLDTKDRQAEEDRQMDTEAAASEAPQDVTYAR  
 LHSFTLRQKATEPPPSQEGASPAEPSVYATLAIH  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001278426

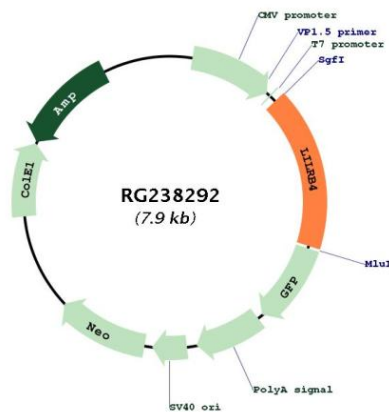
**ORF Size:** 1344 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<u><a href="#">NM_001278426.3</a></u> , <u><a href="#">NP_001265355.2</a></u>
<b>RefSeq Size:</b>	3902 bp
<b>RefSeq ORF:</b>	1347 bp
<b>Locus ID:</b>	11006
<b>UniProt ID:</b>	<u><a href="#">Q8NHJ6</a></u>
<b>Cytogenetics:</b>	19q13.42
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	49.8 kDa
<b>Gene Summary:</b>	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. The receptor can also function in antigen capture and presentation. 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 RG238292