

## Product datasheet for **RC238284**

### **LILRB4 (NM\_001278427) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	LILRB4 (NM_001278427) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LILRB4
Synonyms:	CD85K; ILT-3; ILT3; LIR-5; LIR5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC238284 representing NM\_001278427  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**C

ATGATCCCCACCTTCACGGCTCTGCTCTGCCTCGGGCTGAGTCTGGGCCCCAGGACCCACATGCAGGCAG  
 GGCCCTCCCCAAACCCACCCTCTGGGCTGAGCCAGGCTCTGTGATCAGCTGGGGAACTCTGTGACCAT  
 CTGGTGTGAGGGGACCCTGGAGGCTCGGGAGTACCGTCTGGATAAAGAGGAAAGCCAGCACCCCTGGGAC  
 AGACAGAACCCACTGGAGCCCAAGAACAAGGCCAGATTCTCCATCCCATCCATGACAGAGGACTATGCAG  
 GGAGATACCGCTGTTACTATCGCAGCCCTGTAGGCTGGTACAGCCAGTGACCCCTGGAGCTGGTGAT  
 GACAGGAGCCTACAGTAAACCCACCCTTTCAGCCCTGCCGAGTCTCTTGTGACCTCAGGAAAGAGCGTG  
 ACCCTGCTGTGTCAGTCACGGAGCCCAATGGACACTTTTCTTCTGATCAAGGAGCGGGCAGCCCATCCCC  
 TACTGCATCTGAGATCAGAGCACGGAGCTCAGCAGCACCAGGCTGAATCCCCATGAGTCTGTGACCTC  
 AGTGCACGGGGGACCTACAGGTCTTCAGCTCACACGGCTTCTCCACTACCTGCTGTACACCCCACT  
 GACCCCTGGAGCTCATAGTCTCAGGATCCTTGGAGGGTCCCAGGCCCTACCCACAAGGTCCGTCTCAA  
 CAGCTGCAGGCCCTGAGGACCAGCCCTCATGCCTACAGGGTCACTCCCCACAGTGGTCTGAGAAGGCA  
 CTGGGAGGTACTGATCGGGTCTTGGTGGTCTCCATCCTGCTTCTCTCCCTCCTCTTCTCTCTCTC  
 CAACACTGGCGTCAGGGAACACAGGACATTGGCCCAGAGACAGGCTGATTTCCAACGCTCTCAGGGG  
 CTGCCGAGCCAGAGCCCAAGGACGGGGCTACAGAGGAGGTCCAGCCAGCTGCTGACGTCCAGGGAGA  
 AAATTCTGTGCTGCCGTGAAGAACACACAGCCTGAGGACGGGTGGAATGGACACTCGGAGCCACAC  
 GATGAAGACCCCAAGGAGTACGTATGCCAAGGTGAAACACTCCAGACCTAGGAGAGAAATGGCCTCTC  
 CTCCTCCCACTGTCTGGGGAATTCCTGGACACAAAGGACAGACAGGCAGAAGAGGACAGACAGATGGA  
 CACTGAGGCTGCTGCATCTGAAGCCCCCAGGATGTGACCTACGCCCGGCTGCACAGCTTTACCCCTCAGA  
 CAGAAGGCAACTGAGCCTCTCCATCCCAGGAAGGGCCTCTCCAGCTGAGCCAGTGTCTATGCCACTC  
 TGGCCATCCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

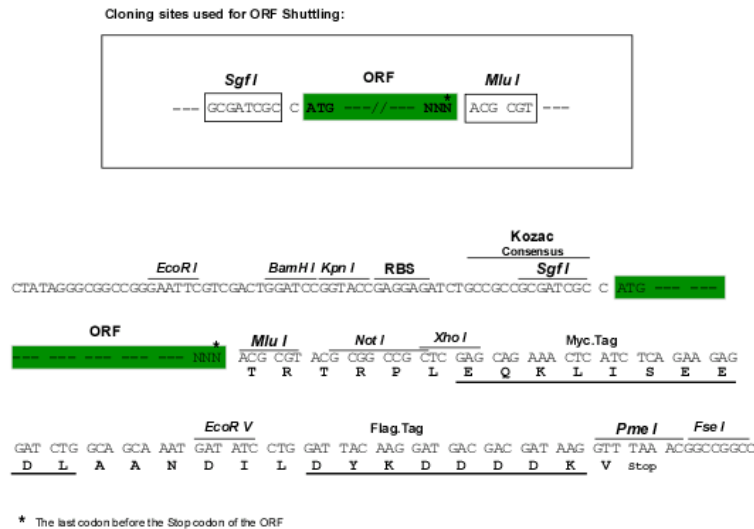
>RC238284 representing NM\_001278427  
 Red=Cloning site Green=Tags(s)

MIPTFTALLCLGLSLGPRTHMQAGPLPKPTLWAEPGSVISWNSVTIWCQGTLEAREYRLDKEESPAPWD  
 RQNPLEPKNKARFSIPSMTEYAGRYRCYYRSPVGWSQPSDPLELVMTGAYSKPTLSALPSPLVTSKSV  
 TLLCQSRSPMDTFLLIKERAHPLLHLRSEHGAQQHQAEFPMSPVTSVHGGTYRCFSSHGFSHYLLSHPS  
 DPLELIVSGSLEGPRPSPTRSVSTAAGPEDQPLMPTGSVPHSGLRRHWEVLIGVLVVSILLLSLLLFLL  
 QHWRQGHRTLAQRQADFQRPPGAAEPEPKDGLQRRSSPAADVQGENFCAAVKNTQPEDGVEMDTRSPH  
 DEDPQAVTYAKVKHSRPRREMASPPSPLSGEFLDTKDRQAEEDRQMDTEAAASEAPQDVTYARLHSFTLR  
 QKATEPPPSQEGASPAEPSVYATLAIH

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001278427

**ORF Size:** 1341 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001278427.3](#), [NP\\_001265356.2](#)

**RefSeq Size:** 3899 bp

**RefSeq ORF:** 1344 bp

**Locus ID:** 11006

**UniProt ID:** [Q8NHJ6](#)

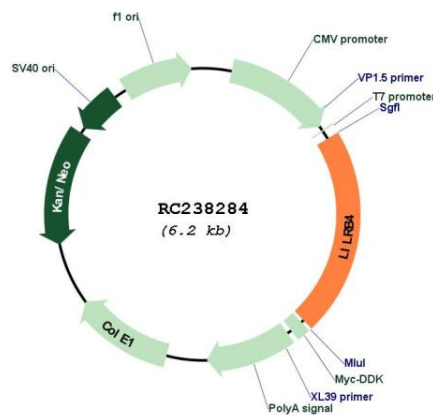
**Cytogenetics:** 19q13.42

**Protein Families:** Transmembrane

**MW:** 49.6 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. 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 RC238284