

Product datasheet for **RC238467**

LILRB4 (NM_001278429) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB4 (NM_001278429) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LILRB4
Synonyms:	CD85K; ILT-3; ILT3; LIR-5; LIR5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238467 representing NM_001278429
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAACAACCCCATGACGAGAAGGACCCAGCCTCCAAGCGGCCACACCTGTGTGTCTCTTTGTCCTGC
 CGGCACTGAGGACTCATCCATCTGCACAGCTGGGGCCCTGGGAGGAGACGCCATGATCCCCACCTTCAC
 GGCTCTGCTCTGCCTCGGGCCCTCCCCAAACCCACCCTCTGGGCTGAGCCAGGCTCTGTGATCAGCTGG
 GGAACCTGTGACCATCTGGTGTGAGGGACCTGGAGGCTCGGGAGTACCGTCTGGATAAAGAGGAAA
 GCCCAGCACCCCTGGGACAGACAGAACCCTGGAGCCCAAGAACAAGGCCAGATTCTCCATCCCATCCAT
 GACAGAGGACTATGCAGGGAGATACCGTGTACTATCGCAGCCCTGTAGGCTGGTCACAGCCCAGTGAC
 CCCCTGGAGCTGGTGTGACAGGAGCCTACAGTAAACCCACCCTTTCAGCCCTGCCGAGTCTCTTGTA
 CCTCAGGAAAGAGCGTGACCCTGCTGTGTCAGTACGGAGCCCAATGGACTTTTCTTCTGATCAAGGA
 GCGGGCAGCCCATCCCCTACTGCATCTGAGATCAGAGCACGGAGCTCAGCAGCACCGGCTGAATCCCC
 ATGAGTCTGTGACCTCAGTGCACGGGGGACCTACAGGTGCTTACAGCTCACACGGCTTCTCCCACTACC
 TGCTGTACACCCAGTACCCCTGGAGCTCATAGTCTCAGGATCCTTGGAGGGTCCCAGGCCCTCACC
 CACAAGTCCGTCTAACAGCTGCAGGCCCTGAGGACCAGCCCTCATGCCTACAGGGTCACTCCCCAC
 AGTGGTCTGAGAAGGCACTGGGAGTACTGATCGGGTCTTGGTGGTCTCCATCTGCTTCTCCTCCTC
 TCCTCTTCTCCTCCTCCAACACTGGCGTCAGGGAAAACACAGGACATTGGCCAGAGACAGGCTGATTT
 CCAACGTCTCCAGGGCTGCCGAGCCAGAGCCCAAGGACGGGGCTACAGAGGAGTCCAGCCAGCT
 GCTGACGTCAGGGAGAAAATTCTCAGGTGCTGCCGTGAAGAACACACAGCCTGAGGACGGGTGGAAA
 TGGACACTCGGCAGAGCCACAGATGAAGACCCCAAGGACGTCAGTATGCCAAGTGAACACTCCAG
 ACCTAGGAGAGAAATGGCTCTCCTCCCTCCCACTGTCTGGGAATTCCTGGACACAAAGGACAGACAG
 GCAGAAGAGGACAGACAGATGGACTGAGGCTGCTGCATCTGAAGCCCCCAGGATGTGACCTACGCC
 GGCTGCACAGTTTACCCTCAGACAGAAGGCAACTGAGCCTCTCCATCCAGGAAGGGCTCTCCAGC
 TGAGCCAGTGTCTATGCCACTTGCCATCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238467 representing NM_001278429
 Red=Cloning site Green=Tags(s)

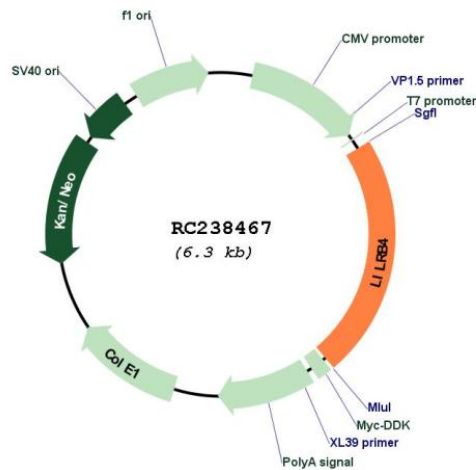
MEQPHDEKDPASKRPHVCLFVLPALRTHPSAQLGPLGGDAMIPTFTALLCLGLPKPTLWAEPGSVISW
 GNSVTIWCQGTLEAREYRLDKEESPAPWDRQNPLEPKNKARFISIPSMTEYAGRYRCYYRSPVGSQPSD
 PLELVMTGAYSKPTLSALPSPLVTSKSVTLQCQRSPMDTFLLIKERAAHPLLHLRSEHGAQQHQAEFP
 MSPVTSVHGGTYRCFSSHGFSHYLLSHPSDPLELIVSGSLEGPRPSPTRSVSTAAGPEDQPLMPTGSVPH
 SGLRRHWVLEVLIGVLVVSILLLSLLLFLLLQHWQRGKHRTLAQRQADFQRPPGAAEPEPKDGLQRRSSPA
 ADVQGENFSGAAVKNTQPEDGVEMDTRQSPHDEDPQAVTYAKVKHSRPRREMASPPSPLSGEFLDTKDRQ
 AEEDRQMDTEAAASEAPQDVTYARLHSFTLRQKATEPPPSQEGASPAEPSVYATLAIH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001278429

ORF Size: 1434 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:	<ol style="list-style-type: none">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:	<u>NM_001278429.3, NP_001265358.2</u>
RefSeq Size:	3869 bp
RefSeq ORF:	1314 bp
Locus ID:	11006
UniProt ID:	<u>Q8NHJ6</u>
Cytogenetics:	19q13.42
Protein Families:	Transmembrane
MW:	53 kDa
Gene Summary:	<p>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]</p>