

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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238284 representing NM_001278427
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCCCCACCTTCACGGCTCTGCTCTGCCTCGGGCTGAGTCTGGGCCCCAGGACCCACATGCAGGCAG
 GGCCCTCCCAAACCCACCCTCTGGGCTGAGCCAGGCTCTGTGATCAGCTGGGGAACTCTGTGACCAT
 CTGGTGTAGGGGACCCTGGAGGCTCGGGAGTACCGTCTGGATAAAGAGGAAAGCCAGCACCCCTGGGAC
 AGACAGAACCCTGGAGCCCAAGAACAAGGCCAGATTCTCCATCCCATCCATGACAGAGGACTATGCAG
 GGAGATACCGCTTACTATCGCAGCCCTGTAGGCTGGTACAGCCAGTGACCCCTGGAGCTGGTGTGAT
 GACAGGAGCTACAGTAAACCCACCCTTTCAGCCCTGCCGAGTCTCTTGTGACCTCAGGAAAGAGCGTG
 ACCCTGCTGTGTCAGTACGGAGCCCAATGGACTTTTCTTCTGATCAAGGAGCGGGCAGCCCATCCCC
 TACTGCATCTGAGATCAGAGCACGGAGCTCAGCAGCACCAGGCTGAATCCCCATGAGTCTGTGACCTC
 AGTGCACGGGGGACCTACAGGTGCTTCAGCTCACACGGCTTCTCCACTACCTGCTGTACACCCCACT
 GACCCCTGGAGCTCATAGTCTCAGGATCCTTGGAGGGTCCCAGGCCCTACCCACAAGGTCCTGCTCAA
 CAGCTGCAGGCCCTGAGGACCAGCCCTCATGCCTACAGGGTCACTCCCCACAGTGGTCTGAGAAGGCA
 CTGGGAGGTACTGATCGGGTCTTGGTGGTCTCCATCCTGCTTCTCCTCCTCCTCCTCCTCCTCCTC
 CAACACTGGCGTCAGGAAAACACAGGACATTGGCCCAGAGACAGGCTGATTTCCAACGTCCTCCAGGGG
 CTGCCGAGCCAGAGCCCAAGGACGGGGCTACAGAGGAGGTCCAGCCAGCTGCTGACGTCCAGGGAGA
 AAATTCTGTGCTGCCGTGAAGAACACACAGCCTGAGGACGGGGTGGAAATGGACTCGGAGCCACAC
 GATGAAGACCCCAAGCAGTACGTATGCCAAGGTGAAACTCCAGACCTAGGAGAGAAATGGCCTCTC
 CTCCTCCCCTGCTGTCTGGGAAATTCCTGGACACAAAGGACAGACAGCCAGGAGGACAGACAGATGGA
 CACTGAGGCTGCTGCATCTGAAGCCCCCAGGATGTGACCTACGCCCGGCTGCACAGCTTTACCCTCAGA
 CAGAAGGCAACTGAGCCTCCTCCATCCCAGGAAGGGCCTCTCCAGCTGAGCCAGTGTCTATGCCACTC
 TGGCCATCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238284 representing NM_001278427
 Red=Cloning site Green=Tags(s)

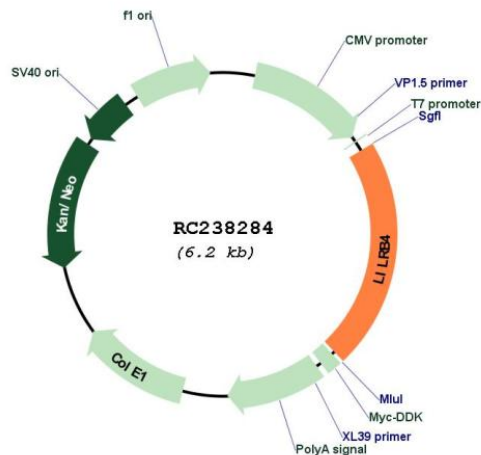
MIPTFTALLCLGLSLGPRTHMQAGPLPKPTLWAEPGSVISWNSVTIWCQGTLEAREYRLDKEESPAPWD
 RQNPLEPKNKARFSIPSMTEYAGRYRCYYRSPVGSQPSDPLELVMTGAYSKPTLSALPSPLVTSGKSV
 TLLCQSRSPMDTFLLIKERAAHPLLHLRSEHGAQQHQAEPMPSPVTSVHGGTYRCFSSHGFSHYLLSHPS
 DPLELIVSGSLEGRPPSPTRSVSTAAGPEDQPLMPTGVSVPHSLRRHWEVLIGVLVVSILLLLSLLFLLL
 QHWRQGHRTLAQRQADFQRPPGAAEPEPKDGLQRRSSPAADVQGENFCAAVKNTQPEDGVEMDTRSPH
 DEDPQAVTYAKVKHSRPRREMASPPSPLSGEFLDTKDRQAEEDRQMDTEAAASEAPQDVYARLHSFTLR
 QKATEPPPSQEGASPAEPSVYATLAIH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


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:	<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_001278427.3, NP_001265356.2</u>
RefSeq Size:	3899 bp
RefSeq ORF:	1344 bp
Locus ID:	11006
UniProt ID:	<u>Q8NHJ6</u>
Cytogenetics:	19q13.42
Protein Families:	Transmembrane
MW:	49.6 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>