

Product datasheet for **RC238487**

LILRB2 (NM_001278404) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB2 (NM_001278404) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LILRB2
Synonyms:	CD85D; ILT-4; ILT4; LIR-2; LIR2; MIR-10; MIR10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RC238487 representing NM_001278404
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAGGAGCCTACCCAAAACCCACCCTCTCAGCCCAGCCAGCCCTGTGGTGACCTCAGGAGGAAGGG
 TGACCCTCCAGTGTGAGTCACAGGTGGCATTGGCGGCTTCATTCTGTGTAAAGGAAGGAGAAGATGAACA
 CCCACAATGCCTGAACTCCCAGCCCCATGCCCGTGGGTGTCGCCGCCATCTTCTCCGTGGGCCCGT
 AGCCCGAATCGCAGGTGGTGCACAGGTGCTATGGTTATGACTTGAACCTCCCTATGTGTGGTCTTAC
 CCAGTGATCTCCTGGAGCTCCTGGTCCCAGGTGTTTCTAAGAAGCCATCACTCTCAGTGCAGCCGGTCC
 TGTGATGGCCCTGGGAAAGCCTGACCCTCCAGTGTCTCTGATGTCGGCTATGACAGATTTGTTCTG
 TACAAGGAGGGGAAACGTGACCTTCGCCAGCTCCCTGGCCGAGCCCCAGGCTGGGCTCTCCAGGCCA
 ACTTCACCCTGGCCCTGTGAGCCGCTCCTACGGGGCCAGTACAGATGTACGGTGCACACAACCTCTC
 CTCTGAGTGTGCGCCCCAGCGACCCCTGGACATCCTGATCACAGGACAGATCCGTGGCACACCCCTTC
 ATCTCAGTGCAGCCAGGCCCCACAGTGGCTCAGGAGAGAACGTGACCCTGCTGTGTGATCATGGCGGC
 AGTTCCACACTTTCCTTCTGACCAAGGCGGGAGCAGCTGATGCCCACTCCGTCTAAGATCAATACCGA
 ATATCCTAAGTACCAGGCTGAATTCCTCATGAGTCTGTGACCTCAGCCACGCGGGGACCTACAGGTGC
 TACGGCTCACTCACTCCGACCCCTACCTGCTGTCTACCCCACTGAGCCCTGGAGCTCGTGGTCTCAG
 GACCCTCCATGGGTTCCAGCCCCCACCACCGGTCCCATCTCCACACCTGCAGGCCCTGAGGACCAGCC
 CCTACCCCACTGGGTGGATCCCCAAGTGGTCTGGGAAGGCACCTGGGGTTGTGATCGGCATCTTG
 GTGGCCGTGCTCCTACTGCTCCTCCTCCTCCTCCTCCTCCTCCTCATCTCCGACATCGAGTCAAGGCA
 AACACTGGACATCGACCCAGAGAAAGGCTGATTTCCAACATCTGCAGGGGCTGTGGGGCCAGAGCCAC
 AGACAGAGGCCTGCAGTGGAGGTCCAGCCAGCTGCCGAGCCAGGAAGAAAACCTCTATGCTGCCGTG
 AAGGACACACAGCCTGAAGATGGGTGGAGATGGACACTCGGGTCTGATCTGAAGCCCCCAGGATG
 TGACCTACGCCAGCTGCACAGCTTACCCTCAGACGGAAGGCAACTGAGCCTCCTCCATCCCAGGAAAG
 GGAACCTCAGCTGAGCCAGCATCTACGCCACCTGGCCATCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238487 representing NM_001278404
 Red=Cloning site Green=Tags(s)

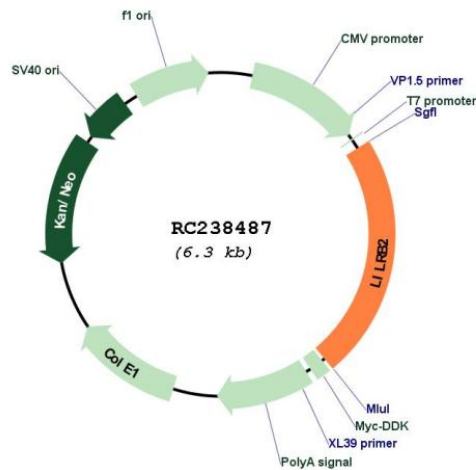
MTGAYPKPTLSAQPSVVTSGGRVTLQCESQVAFGGFILCKEGEDHPQLNSQPHARGSSRAIFSVGPV
 SPNRRWSHRCYGYDLNSPYVWSSPSDLLELLVPGVSKKPSLSVQPGPVMAPGESLTLQCVSDVGYDRFVL
 YKEGERDLRQLPGRQPQAGLSQANFTLGPVRSYGGYRCYGAHNLSSSECSAPSDPLDILITGQIRGTFP
 ISVQPGPTVASGENVTLLCQSWRFHTFLLTKAGAADAPLRLRSIHEYPKYQAEFPMSPVSAHAGTYRC
 YGSLNSDPYLLSHPSELELVVSGPSMGSSPPPTGPISTPAGPEDQPLTPTGSDPQSGLGRHLGVVIGIL
 VAVVLLLLLLLLLFLILRHRQKHWSTQRKADFQHPAGAVGPEPTDRGLQWRSSPAADAQENLYAAV
 KDTQPEDGVEMDTRAAASEAPQDVTYAQLHSLTLRRKATEPPPSQEREPPAEPESIYATLAIH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001278404

ORF Size: 1446 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_001278404.2](#), [NP_001265333.2](#)

RefSeq Size: 2789 bp

RefSeq ORF: 1449 bp

Locus ID: 10288

Cytogenetics: 19q13.42

Protein Families: Transmembrane

MW: 52.4 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]