

Product datasheet for **RC207770**

LILRB2 (NM_005874) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB2 (NM_005874) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LILRB2
Synonyms:	CD85D; ILT-4; ILT4; LIR-2; LIR2; MIR-10; MIR10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC207770 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCCCATCGTACAGTCTGATCTGTCTCGGGCTGAGTCTGGGCCAGGACCCACGTGCAGACAG
 GGACCATCCCAAGCCACCCTGTGGGCTGAGCCAGACTCTGTGATCACCGAGGGAGTCCCGTACCCCT
 CAGTTGTCAGGGGAGCCTTGAAGCCAGGAGTACCGTCTATATAGGGAGAAAAATCAGCATCTTGATT
 ACACGGATACGACCAGAGCTTGTGAAGAACGGCCAGTCCACATCCATCCATCACCTGGGAACACACAG
 GGCGATATGGCTGTCAGTATTACAGCCGCTCGGTGGTCTGAGCTCAGTGACCCCTGGTCTGGTGTGAT
 GACAGGAGCTACCCAAAACCCACCCTCTCAGCCAGCCAGCCCTGTGGTGACCTCAGGAGGAAGGGTG
 ACCCTCCAGTGTGAGTACAGGTGGCATTGGCGGCTTATTCTGTGAAGGAAGGAGAAGTGAACACC
 CACAATGCCTGAACCTCCAGCCCATGCCCGTGGTCTGCCGCGCCATCTTCCGTGGCCCCGTGAG
 CCCGAATCGCAGGTGGTGCACAGGTGCTATGGTTATGACTTGAACCTCCCTATGTGTGGTCTTACCC
 AGTGATCTCCTGGAGCTCCTGGTCCCAGGTGTTCTAAGAAGCCATCACTCTCAGTGCAGCCGGTCTGT
 TCGTGGCCCTGGGAAAGCCTGACCTCCAGTGTCTCTGATGTGGGCTATGACAGATTTGTTCTGTA
 CAAGGAGGGGAAAGTACCTTCGCCAGCTCCCTGGCCGAGCCAGGCTGGGCTCTCCAGGCCAAC
 TTCACCTGGGCCCTGTGAGCCGCTCTACGGGGCCAGTACAGATGCTACGGTGCATACAACCTCTCT
 CCGAGTGGTGGCCCCAGCGACCCCTGGACATCCTGATCACAGGACAGATCCATGGCACACCTTCAT
 CTCAGTGCAGCCAGGCCACAGTGGCTCAGGAGAGAACGTGACCTGCTGTGTGATCATGGCGGCAG
 TTCCACACTTTCCTTCTGACCAAGGCGGGAGCAGTGTGACCTCAGCCACGCGGGGACCTACAGGTCTA
 ATCCTAAGTACCAGGCTGAATTCCTCATGAGTCTGTGACCTCAGCCACGCGGGGACCTACAGGTCTA
 CGGCTCACTCAACTCCGACCCCTACCTGCTGTCTCACCCAGTGAAGCCCTGGAGCTCGTGGTCTCAGGA
 CCCTCCATGGGTTCCAGCCCCCACCACCGGTCCCATCTCCACCTGCAGGCCCTGAGGACCAGCCCC
 TACCCCCACTGGGTCGGATCCCAAGTGGTCTGGGAAGGCACCTGGGGTTGTGATCGGCATCTTGGT
 GGCCGTCGTCCTACTGCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCT
 CACTGGACATCAACCCAGAGAAAGGCTGATTTCCAACATCCTGCAGGGGCTGTGGGGCCAGAGCCACAG
 ACAGAGGCTGCAGTGGAGTCCAGCCAGCTGCCGACGCCAGGAAGAAAACCTCTATGCTGCCGTGAA
 GGACACACAGCCTGAAGATGGGGTGGAGATGGACTCGGGCTGTGCATCTGAAGCCCCCAGGATGTG
 ACCTACGCCAGCTGCACAGCTTACCCTCAGACGGAAGGCAACTGAGCCTCCTCCATCCCAGGAAGGGG
 AACCTCCAGTGAAGCCAGCATCTACGCCACCCTGGCCATCCAC

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207770 protein sequence
 Red=Cloning site Green=Tags(s)

MTPIVTVLICLGLSLGPRTHVQTGTIPKPTLWAEPSVITQGSPVTLSCQGSLEAQEYRLYREKKSASWI
 TRIRPELVKNGQFHIPSITWEHTGRYGCQYYSRARWSELSDPLVLMTGAYPKPTLSAQSPVVTSGGRV
 TLQCESQVAFGGFILCKEGEDEHPQCLNSQPHARGSSRAIFSVGPVSPNRRWSHRCYGYDLNSPYVWSSP
 SDLLELLVPGVSKKPSLSVQPGPVVAPGESLTLQCVSDVGYDRFVLYKEGERDLRQLPGRQPQAGLSQAN
 FTLGPVRSYGGQYRCYAYNLSEWSAPSDPLDILITGQIHGTPFISVQPGPTVASGENVTLLCQSWRQ
 FHTFLLTKAGAADAPLRLRSIHEYPKYQAEFPMSPVTSAHAGTYRCYGLNSDPYLLSHPSEPLELVVSG
 PSMGSSPPPTGPISTPAGPEDQPLTPTGSDPQSLGRHLGVVIGILVAVVLLLLLLLLLFLILRHRQGK
 HWTSTQRKADFQHPAGAVGPEPTDRGLQWRSSPAADAQEENLYAAVKDTQPEDGVEMDTRAAASEAPQDV
 TYAQLHSLTLRRKATEPPPSQEGEPPAEPESIYATLAIH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

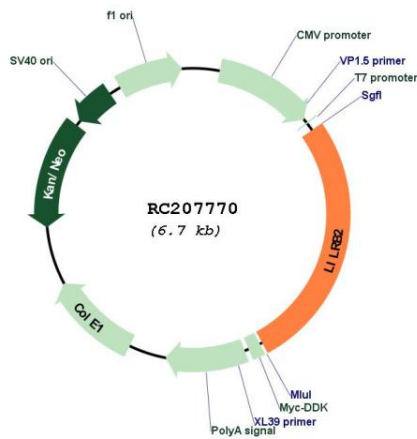
Chromatograms:

https://cdn.origene.com/chromatograms/mk6147_a02.zip

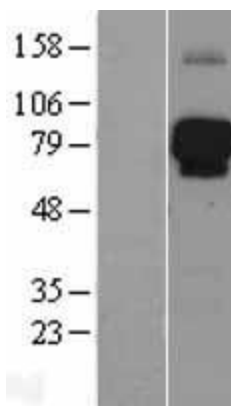
Cytogenetics: 19q13.42
Domains: ig, IGc2, IG
Protein Families: Transmembrane
MW: 65 kDa

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]

Product images:



Circular map for RC207770



Western blot validation of overexpression lysate (Cat# [LY401781]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207770 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).