

Product datasheet for **RG207770**

LILRB2 (NM_005874) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB2 (NM_005874) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LILRB2
Synonyms:	CD85D; ILT-4; ILT4; LIR-2; LIR2; MIR-10; MIR10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG207770 representing NM_005874
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCCCATCGTCACAGTCTGATCTGTCTCGGGCTGAGTCTGGGCCAGGACCCACGTGCAGACAG
 GGACCATCCCAAGCCACCCTGTGGGCTGAGCCAGACTCTGTGATCACCGAGGGAGTCCCGTACCCCT
 CAGTTGTCAGGGGAGCCTTGAAGCCAGGAGTACCGTCTATATAGGGAGAAAAATCAGCATCTTGATT
 ACACGGATACGACCAGAGCTTGTGAAGAACGGCCAGTTCCACATCCATCCATCACCTGGGAACACACAG
 GGCGATATGGCTGTCAGTATTACAGCCGCGCTCGGTGGTCTGAGCTCAGTGACCCCTGGTCTGGTGTGAT
 GACAGGAGCTACCCAAAACCCACCCTCTCAGCCAGCCAGCCCTGTGGTGACCTCAGGAGGAAGGGTG
 ACCCTCCAGTGTGAGTACAGGTGGCATTGGCGGCTTATTCTGTGAAGGAAGGAGAAGTGAACACC
 CACAATGCCTGAACCTCCAGCCCATGCCCGTGGTCTGCCCGCCATCTTCCGTGGCCCCGTGAG
 CCCGAATCGCAGGTGGTGCACAGGTGCTATGGTTATGACTTGAACCTCCCTATGTGTGGTCTTACCC
 AGTGATCTCCTGGAGCTCCTGGTCCCAGGTGTTCTAAGAAGCCATCACTCTCAGTGCAGCCGGTCTCTG
 TCGTGGCCCTGGGAAAGCCTGACCTCCAGTGTCTCTGATGTGGGCTATGACAGATTTGTTCTGTA
 CAAGGAGGGGAAAGCTGACCTTCGCCAGCTCCCTGGCCGCGAGCCAGGCTGGGCTCTCCAGGCCAAC
 TTCACCTGGGCCCTGTGAGCCGCTCTACGGGGCCAGTACAGATGCTACGGTGCATACAACCTCTCT
 CCGAGTGGTGGCCCCAGCGACCCCTGGACATCCTGATCACAGGACAGATCCATGGCACACCTTCAT
 CTCAGTGCAGCCAGGCCACAGTGGCTCAGGAGAGAACGTGACCTGCTGTGTGATCATGGCGGCAG
 TTCCACACTTTCCTTCTGACCAAGGCGGGAGCAGTGTGACCTCAGCCACGCGGGGACCTACAGGTGCTA
 CGGCTCACTCAACTCCGACCCCTACCTGCTGTCTCACCCAGTGAAGCCCTGGAGCTCGTGGTCTCAGGA
 CCCTCCATGGGTTCCAGCCCCCACCACCGGTCCCATCTCCACACTGCAGGCCCTGAGGACCAGCCCC
 TCACCCCACTGGGTGGATCCCAAGTGGTCTGGGAAGGCACCTGGGGTTGTGATCGGCATCTTGGT
 GGCCGTCGTCCTACTGCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCT
 CACTGGACATCAACCCAGAGAAAGGCTGATTTCCAACATCCTGCAGGGGCTGTGGGGCCAGAGCCACAG
 ACAGAGGCTGCAGTGGAGTCCAGCCAGCTGCCAGCCAGGAAGAAAACCTCTATGCTGCCGTGAA
 GGACACACAGCCTGAAGATGGGGTGGAGATGGACTCGGGCTGCTGCATCTGAAGCCCCCAGGATGTG
 ACCTACGCCAGCTGCACAGCTTACCCTCAGACGGAAGGCAACTGAGCCTCCTCCATCCCAGGAAGGGG
 AACCTCCAGTGAAGCCAGCATCTACGCCACCCTGGCCATCCAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG207770 representing NM_005874
 Red=Cloning site Green=Tags(s)

MTPIVTVL ICLGLSLGPRTHVQTGTIPKPTLWAEPSVITQGSPVTLSCQGSLEAQEYRLYREKKSASWI
 TRIRPELVKNGQFHIPSITWEHTGRYGCQYYSRARWSELSDPLVLMTGAYPKPTLSAQSPVVTSGGRV
 TLQCESQVAFGGF ILCKEGEDHPQCLNSQPHARGSSRAIFSVGPVSPNRRWSHRCYGYDLNSPYVWSSP
 SDLLELLVPGVSKKPSLSVQPGPVVAPGESLTLQCVSDVGYDRFVLYKEGERDLRQLPGRQPQAGLSQAN
 FTLGPVRSYGGQYRCYGAYNLSSEWSAPSDPLDILITGQIHGTPFISVQPGPTVASGENVTLLCQSWRQ
 FHTFLLTKAGAADAPLRLRSIHEYPKYQAEFPMSPVTSAHAGTYRCYGLNSDPYLLSHPSEPLELVVSG
 PSMGSSPPPTGPISTPAGPEDQPLTPTGSDPQSGLRHLGVVIGILVAVVLLLLLLLLLFLILRHRRQGK
 HWTSTQRKADFQHPAGAVGPEPTDRGLQWRSSPAADAQEENLYAAVKDTQPEDGVEMDTRAAASEAPQDV
 TYAQLHSLTLRRKATEPPPSQEGEPPAEPESIYATLAIH

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_005874

ORF Size: 1794 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_005874.1](#), [NP_005865.1](#)

RefSeq Size: 2221 bp

RefSeq ORF: 1797 bp

Locus ID: 10288

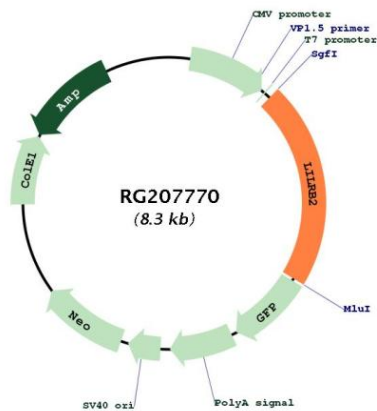
Cytogenetics: 19q13.42

Domains: ig, IGc2, IG

Protein Families: Transmembrane

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 RG207770