

Product datasheet for **RC211687**

LILRB5 (NM_006840) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB5 (NM_006840) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LILRB5
Synonyms:	CD85C; LIR-8; LIR8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC211687 representing NM_006840
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCCTCACCTCTCAGTCTGATTTGCTCGGGCTGAGTGTGGGCCCCAGGACTGCGTGCAGGCAG
 GCACCCTCCCAAAACCCACCCTCTGGGCTGAGCCAGCCTCTGTGATAGCTCGGGGAAGCCCGTGACCCT
 CTGGTGTGAGGGGCCCTGGAGACTGAGGAGTACCGTCTGGATAAGGAGGGACTCCCATGGGCCCGAAG
 AGACAGAACCCACTGGAGCCTGGAGCCAAGGCCAAGTTCCACATCCACCGTGTATGACAGTGCAG
 GGCGATACCGTCTACTATGAGACCCCTGCAGGCTGGTCCAGAGCCAGTGACCCCTGGAGCTGGTGGC
 GACAGGCGTGTCTAGGAAGCCCTCCCTCTGATCCCGCAGGGCTCTGTCTGGCCCGGGAGGCAGCCTG
 ACCCTGCAGTGTCTGCTGGTGTGGCTATGACATATTCGTTCTGTACAAGGAGGGGAACATGACCTCG
 TCCAGGGCTCTGGCCAGCAGCCCAGGCTGGGCTCTCCAGGCCAACTTACCCTGGGCCCTGTGAGCCG
 CCCCCACGGGGCCAGTACAGATGCTACGGTGCACACAACCTCTCCCTAGGTGGTGGCCCCCAGCGAC
 CCCTGGACATCCTGATCGCAGGACTGATCCCTGACATACCCGCCCTCTCGGTGCAGCCGGGCCCAAGG
 TGGCTCAGGAGAGAACGTGACCCTGCTGTGTCAGTCATGGCATCAGATAGACACTTTCTTTTTGACAA
 GGAGGGGGCAGCCATCCCCCGTGTGTCTAAAGTCAAAGTACCAGTCTTATAGACACCAGGCTGAATTC
 TCCATGAGTCTGTGACCTCAGCCAGGGTGAACCTACCGATGTACAGCGCAATCAGGTCCTACCCTT
 ACCTGTGTCCAGCCCTAGTTACCCCCAGGAGCTCGTGGTCTCAGGACCTCTGGGGATCCCAGCCTCTC
 ACCTACAGGCTCCACCCACACCTGGCCCTGAGGACCAGCCCTCACCCACGGGGTTGGATCCCCAG
 AGTGGTCTGGGAAGGCACCTGGGGTTGTGACTGGGTCTCAGTGGCCTTCGTCCTGCTGCTTCTCTCC
 TCCTCTTCTCTCTCCGACATCGGCATCAGAGCAAACACAGGACATCGGCCATTTCTACCGCTCTGFC
 AGGGGCTCGGGGCCAGAGCCCAAGGACCAGGGCCTGCAGAAGAGGGCCAGCCAGTTGCTGACATCCAG
 GAGGAAATTTCTAATGCTGCCGTGAAGGACACACAGCCCAAGGACGGGGTGGAGATGGACTCGGCAGA
 GCCCACACGATGAAGACCCCGAGCAGTACGATGCGGAGGTGAAACACTCCAGACCTAGGAGAGAAAT
 GGCTCTCTCTCCCTCCCACTGTCTGGGAATTCCTGGACACAAAGGACAGACAGGCAGAGAGGACAGA
 CAGATGGACTGAGAGAGTCTTTCTCTCCAGGCCCCAGGCCTCCCCACCCACCACGTTCTCTCC
 CTCTACTCTCCCCGCTGCAGGCTGCTGCATCTGAAGCCCCCAGGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211687 representing NM_006840
 Red=Cloning site Green=Tags(s)

MTLTLVLIICLGLSVGPRTCVQAGTLPKPTLWAEPASVIARGKPVTLWCQGPLETEEYRLDKEGLPWARK
 RQNPLEPGAKAKFHIPSTVYDSAGRYRCYYETPAGWSEPSDPLELVATGVS RKPSLLIPQGSVVARGGSL
 TLQCRSGVGYDIFVLKYEGEHDLVQSGQPPQAGLSQANFTLGPVSRSHGGQYRCYGAHNLSPRWSAPSD
 PLDILIAGLIPDIPALSVQPGKVASGENVTLLCQSWHQIDTFLLTKEGAAHPPLCLKSKYQSYRHQAEF
 SMSPVTSAQGGTYRCYSAIRSYPYLLSSPSYPQELVVS GSPSLSPGTPTPGPEDQPLTPTGLDPQ
 SGLGRHLGVVTGVSFAFVLLFLLLFLLRHRHQSKHR TSAHFYRPAGAAGPEPKDQGLQKRASPVADIQ
 EEILNAAVKDTQPKDGVEMDTRQSPHEDPQAVTYAEVKHSRPRREMASPPSPLSGEFLDTKDRQAEEDR
 QMDTERVLSPPGPQASPPPPRSFPLTLPRCRLHLKPPRM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

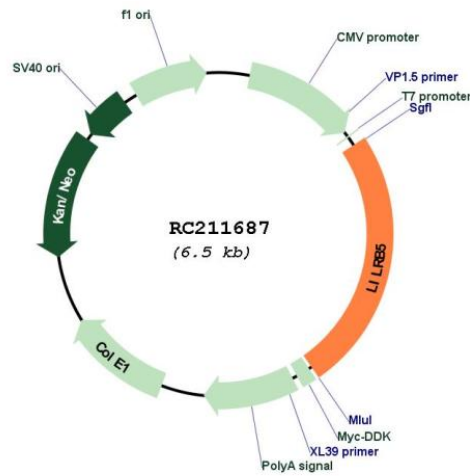
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_006840
ORF Size:	1590 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 Size:	2114 bp
RefSeq ORF:	1773 bp
Locus ID:	10990
UniProt ID:	O75023
Cytogenetics:	19q13.42
Domains:	ig
Protein Families:	Transmembrane
MW:	57.64 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). Several other LIR subfamily B receptors are expressed on immune cells where they bind to MHC class I molecules on antigen-presenting cells and inhibit stimulation of an immune response. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]