

Product datasheet for **SC115840**

LILRB4 (NM_006847) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB4 (NM_006847) Human Untagged Clone
Tag:	Tag Free
Symbol:	LILRB4
Synonyms:	CD85K; HM18; ILT3; LILRB5; LIR-5; LIR5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_006847 edited
 GAATTCGGCACGAGGATCTGCACAGCTGGGGCCCCTGGGAGGAGACGCCATGATCCCCAC
 CTTACGGCTCTGCTCTGCCTCGGGCTGAGTCTGGGCCCCAGGACCCACATGCAGGCAGG
 GCCCTCCCCAAACCACCCTCTGGGCTGAGCCAGGCTCTGTGATCAGCTGGGGAACTC
 TGTGACCATCTGGTGTGACGGGGACCCTGGAGGCTCGGGAGTACCGTCTGGATAAAGAGGA
 AAGCCAGCACCCCTGGGACAGACAGAACCCTGGAGCCCAAGAACAAGGCCAGATTCTC
 CATCCCCATCCATGACAGAGGACTATGCAGGGAGATACCGCTGTTACTATCGCAGCCCTGT
 AGGCTGGTCACAGCCCAGTGACCCCTGGAGCTGGTGTGATGACAGGAGCCTACAGTAAACC
 CACCCTTTCAGCCCTGCCGAGTCTCTTGTGACCTCAGGAAAGAGCGTGACCCTGCTGTG
 TCAGTCACGGAGCCCAATGGACACTTTCCTTCTGATCAAGGAGCGGGCAGCCCATCCCCT
 ACTGCATCTGAGATCAGAGCACGGAGCTCAGCAGCACCAGGCTGAATCCCCATGAGTCC
 TGTGACCTCAGTGCACGGGGGACCTACAGGTGCTTACGCTCACACGGCTTCTCCACTA
 CCTGCTGTACACCCCAGTGACCCCTGGAGCTCATAGTCTCAGGATCCTTGGAGGGTCC
 CAGGCCCTCACCCACAAGGTCCGTCTAACAGCTGCAGGCCCTGAGGACCAGCCCCTCAT
 GCCTACAGGGTCAGTCCCCACAGTGGTCTGAGAAGGCACTGGGAGGTAAGTATCGGGGT
 CTTGGTGGTCTCCATCCTGCTTCTCCTCCTCCTCTTCTCCTCCTCCAACTGCGG
 TCAGGGAAAACACAGGACATTGGCCCAGAGACAGGCTGATTTCCAACGTCTCCAGGGGC
 TGCCGAGCCAGAGCCCAAGGACGGGGCCCTACAGAGGAGGTCCAGCCCAGCTGCTGACGT
 CCAGGGAGAAAATTCTGTGCTGCCGTGAAGAACACACAGCCTGAGGACGGGGTGGAAAT
 GGACACTCGGAGCCACACGATGAAGACCCCCAGGCAGTGACGTATGCCAAGGTGAAACA
 CTCCAGACCTAGGAGAGAAAATGGCCTCTCCTCCCTCCCCACTGTCTGGGGAATTCCTGGA
 CACAAAGGACAGACAGGCAGAAGAGGACAGACAGATGGACTGAGGCTGCTGCATCTGA
 AGCCCCCAGGATGTGACCTACGCCCGGCTGCACAGCTTACCCTCAGACAGAAGGCAAC
 TGAGCCTCCTCCATCCCAGGAAGGGCCCTCCAGCTGAGCCCAGTGTCTATGCCACTCT
 GGCCATCCACTAATCCAGGGGGACCCAGACCCACAAGCCATGGAGACTCAGGACCCCA
 GAAGGCATGGAAGCTGCCTCCAGTAGACATCACTGAACCCAGCCAGCCAGACCCTGA
 CACAGACCACTAGAAGATTCCGGGAACGTTGGGAGTCACTGATTCTGCAAAGATAAATA
 ATATCCCTGCATTATCAAATAAAGTAGCAGACCTCTCAAAAAAAAAAAAAAAAAAACTCG
 AC

5' Read Nucleotide Sequence: >OriGene 5' read for NM_006847 unedited
 GTCACATTTGTATACGACTCACTATAGGCGGCCGGAATCGGCACGAGGATCTGCACATC
 TGGGGCCCCTGGGAGGAGACGCCATGATCCCCACCTTCACGGCTCTGCTCTGCCTCGGGC
 TGAGTCTGGGCCCCAGGACCCACATGCAGGCAGGGCCCTCCCCAAACCACCCTCTGGG
 CTGAGCCAGGCTCTGTGATCAGCTGGGGAACTCTGTGACCATCTGGTGTACGGGACCC
 TGGAGGCTCGGGAGTACCGTCTGGATAAAGAGGAAAGCCAGCACCCCTGGGACAGACAGA
 ACCCACTGGAGCCCAAGAACAAGGCCAGATTCTCCATCCCATCCATGACAGAGGACTATG
 CAGGGAGATACCGCTGTTACTATCGCAGCCCTGTAGGCTGGTACAGCCCAGTGACCCCC
 TGGAGCTGGTGTGACAGGAGCCTACAGCAAACCCACCCTTTCAGCCCTGCCGAGTCTC
 TTGTGACCTCATGAAAGAGCGGACCCCTGCTGTGTGAGTACGGAGCCCAATGGACACTT
 TCCTTCTGATCAAGGAGCGGGCAGCCCATCCCCTACTGCATCTGAGATCAGAGCACGGAG
 CTCAGCAGCACCAGGCTGAATTCCCATGAGTCTGTGACCTCAGTGCACGGCGGGACCT
 ACAGGTGCTTACGCTCACACAGCTTCTCCCACTACCTGCTGTACACCCCAAGTACCCCC
 TGGAGCTCATAGTCTCAAGATCCTTGGAGGTCCTCAAGCCCTCACCCACAAGGTCGGTA
 TCACCAGCTGGAGCCCTGAAGACCAACCCTCATGCCTACAGGGTCAAGTCCCCCAGT
 GCTCTGAGAAGGCACTGGGACGTAAGTATCGGGTCTTGTGTTCTCCATACTGCTTTTC
 TCCTTCTCCTCTGCTCCTCA

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006847 unedited CGCGGGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTGGAGAGGTCTGCTACTTTA TTTTGATAATGCAGGGATATTATTTATCTTTGCAGAATCAGGTGACTCCCAACGTTCCCG GAATCTTCTAGTGGTCTGTGTCCAGGGTCTGGGCTGGCTGGGGTTCAGTGATGTCTACTG GAGGCAGTTCATGCCTTCTGGGGTCTGAGTCTCCATGGCTTGTGGGGTCTGGGTCCC CCCTGGATTAGTGGATGGCCAGAGTGGCATAGACTGGGCTCAGCTGGAGAGGCCCTT CCTGGGATGGAGGAGCTCAGTTGCCTTCTGTCTGAGGGTAAAGCTGTGCAGCCGGGCGT AGGTCACATCCTGGGGGGCTTCAGATGCAGCAGCCTCAGTGCCATCTGTCTGTCTCTT CTGCCTGTCTGTCTTTGTGTCCAGGAATCCCCAGACAGTGGGGAGGGAGGAGAGGCCA TTTCTCTCCTAGGTCTGGAGTGTTCACCTTGGCATACTGCTACTGCCTGGGGGTCTTCAT CGTGTGGGCTCCGAGTGTCCATTTCCACCCCGTCTCAGGCTGTGTGTTCTTCACGGCAG CACAGAAGTTTTCTCCCTGGACGTCAGCAGCTGGGCTGGACCTNCTGTAGGCCCCCGT CCTTGGGCTCTGGGCTCGCAGCCCTGNAGGACGTTGAAATCAGCCTGTCTCTGGGCCA ATGTCCCTGTGTTTTCCCTGACCCANNTGTNGNNAGAGAGGAANNAGANGAGGANANA ANCAGGATGGAGACCCACAGACCCCGATCAGTACCCTCCATGCCCTTTCAGAACACTG GGNGGGACTGAACCCTGTAGCATGAGGGCTGNCTCTCAGGCCCTGCANCTGNTGAGACC GACCTTTGGGGGAGGGCCCTGGGACCTCCAGGATCCTGAGACTTTGACTTCCANGGGC CN
Restriction Sites:	NotI-NotI
ACCN:	NM_006847
Insert Size:	1600 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_006847.1, NP_006838.1</u>
RefSeq Size:	1603 bp
RefSeq ORF:	1347 bp
Locus ID:	11006
Cytogenetics:	19q13.42
Domains:	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. 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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).