

Product datasheet for SC315950

LILRB4 (NM_001081438) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB4 (NM_001081438) Human Untagged Clone
Tag:	Tag Free
Symbol:	LILRB4
Synonyms:	CD85K; HM18; ILT3; LILRB5; LIR-5; LIR5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315950 representing NM_001081438. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATCCCCACCTTCACGGCTCTGCTCTGCCTCGGGCTGAGTCTGGGCCCCAGGACCCACATGCAGGCA
GGGCCCTCCCAAACCCACCCTCTGGGCTGAGCCAGGCTCTGTGATCAGCTGGGGAACTCTGTGACC
ATCTGGTGTGAGGGACCTGGAGGCTCGGGAGTACCGTCTGGATAAAGAGGAAAGCCAGCACCCTGG
GACAGACAGAACCCTGGAGCCCAAGAACAAGGCCAGATTCTCCATCCCATCCATGACAGAGGACTAT
GCAGGGAGATACCGCTGTTACTATCGCAGCCCTGTAGGCTGGTCACAGCCAGTGACCCCTGGAGCTG
GTGATGACAGGAGCCTACAGTAAACCCACCCTTTCAGCCCTGCCGAGTCTCTTGTGACCTCAGGAAAG
AGCGTGACCCTGCTGTGTGATCAGCCAGCCCAATGGACTTTCTCTTCTGATCAAGGAGCGGGCAGCC
CATCCCCACTGTCATCTGAGATCAGAGCACGGAGCTCAGCAGCACCAGGCTGAATCCCCATGAGTCTT
GTGACCTCAGTGCACGGGGGACCTACAGGTGCTTTCAGCTCACACGGCTTCTCCCACTACCTGTGTC
CACCCAGTGACCCCTGGAGCTCATAGTCTCAGGATCCTTGGAGGATCCCAGGCCCTCACCCACAAGG
TCCGTCTCAACAGCTGCAGGCCCTGAGGACCAGCCCTCATGCCTACAGGGTCACTCCCCACAGTGGT
CTGAGAAGGCACTGGGAGGTACTGATCGGGTCTTGGTGGTCTCCATCCTGCTTCTCCCTCCTCCTC
TTCTCCTCCTCAACACTGGCGTCAGGAAAACACAGGACATTGGCCCAGAGACAGGCTGATTTCAA
CGTCTCCAGGGCTGCCGAGCCAGAGCCCAAGGACGGGGCCTACAGAGGAGGTCAGCCAGCTGCT
GACGCTCCAGGGGAAAATCTGTGCTGCCGTGAAGAACACACAGCCTGAGGACGGGGTGGAAATGGAC
ACTCGGAGCCACACGATGAAGACCCCCAGGCAGTGACGTATGCCAAGGTGAAACTCCAGACCTAGG
AGAGAAATGGCCTCTCCTCCCTCCCACTGTCTGGGGAATTCCTGGACACAAAGGACAGACAGGCAGAA
GAGGACAGACAGATGGACTGAGGCTGCTGCATCTGAAGCCCCCAGGATGTGACCTACGCCAGCTG
CACAGCTTTACCCTCAGACAGAAGGCAACTGAGCCTCCTCCATCCAGGAAGGGGCTCTCCAGCTGAG
CCCAGTGTCTATGCCACTCTGGCCATCCACTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001081438
Insert Size:	1344 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA
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:	NM_001081438.1
RefSeq Size:	2094 bp
RefSeq ORF:	1344 bp
Locus ID:	11006
Cytogenetics:	19q13.42
Protein Families:	Transmembrane
MW:	49.2 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. 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 (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1, resulting in a protein (isoform 2) that is 1 aa shorter than isoform 1.