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Product datasheet for SC336187

LILRB4 (NM_001278428) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LILRB4 (NM_001278428) Human Untagged Clone
Tag:	Tag Free
Symbol:	LILRB4
Synonyms:	CD85K; ILT-3; ILT3; LIR-5; LIR5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC336187 representing NM_001278428.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATCCCCACCTTCACGGCTCTGCTCTGCCTCGGGCTGAGTCTGGGCCCCAGGACCCACATGCAGGCA
GGGCCCCTCCCCAAACCCACCCTCTGGGCTGAGCCAGGCTCTGTGATCAGCTGGGGGAACTCTGTGACC
ATCTGGTGTCAGGGGACCCTGGAGGCTCGGGAGTACCGTCTGGATAAAGAGGAAAGCCCAGCACCCTGG
GACAGACAGAACCCACTGGAGCCCAAGAACAAGGCCAGATTCTCCATCCCATCCATGACAGAGGACTAT
GCAGGGAGATACCGCTGTTACTATCGCAGCCCTGTAGGCTGGTCACAGCCCAGTGACCCCCTGGAGCTG
GTGATGACAGGAGCCTACAGTAAACCCACCCTTTCAGCCCTGCCGAGTCCTCTTGTGACCTCAGGAAAG
AGCGTGACCCTGCTGTGTCAGTCACGGAGCCCAATGGACACTTTTCTTCTGATCAAGGAGCGGGCAGCC
CATCCCCTACTGCATCTGAGATCAGAGCACGGAGCTCAGCAGCACCAGGCTGAATTCCCCATGAGTCCT
GTGACCTCAGTGCACGGGGGGACCTACAGGTGCTTCAGCTCACACGGCTTCTCCCACTACCTGCTGTCA
CACCCCAGTGACCCCCTGGAGCTCATAGTCTCAGGATCCTTGGAGGGTCCCAGGCCCTCACCCACAAGG
TCCGTCTCAACAGCTGCAGGCCCTGAGGACCAGCCCCTCATGCCTACAGGGTCAGTCCCCCACAGTGGT
CTGAGAAGGCACTGGGAGGTACTGATCGGGGTCTTGGTGGTCTCCATCCTGCTTCTCTCCCTCCTCCTC
TTCCTCCTCCTCCAACACTGGCGTCAGGGAAAACACAGGACATTGGCCCAGAGACAGGCTGATTTCCAA
CGTCCTCCAGGGGCTGCCGAGCCAGAGCCCAAGGACGGGGGCCTACAGAGGAGGTCCAGCCCAGCTGCT
GACGTCCAGGGAGAAAACTTCTCAGGTGCTGCCGTGAAGAACACACAGCCTGAGGACGGGGTGGAAATG
GACACTCGGAGCCCACACGATGAAGACCCCCAGGCAGTGACGTATGCCAAGGTGAAACACTCCAGACCT
AGGAGAGAAATGGCCTCTCCTCCCTCCCCACTGTCTGGGGAATTCCTGGACACAAAGGACAGACAGGCA
GAAGAGGACAGACAGATGGACACTGAGGCTGCTGCATCTGAAGCCCCCCAGGATGTGACCTACGCCCGG
CTGCACAGCTTTACCCTCAGACAGAAGGCAACTGAGCCTCCTCCATCCCAGGAAGGGGCCTCTCCAGCT
GAGCCCAGTGTCTATGCCACTCTGGCCATCCACTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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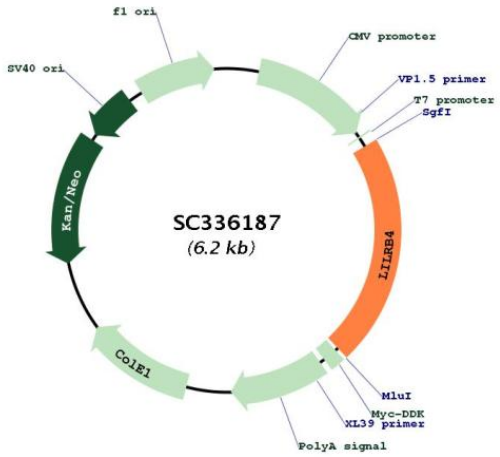
Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001278428

Insert Size: 1347 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:
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_001278428.3

RefSeq Size: 3902 bp

RefSeq ORF: 1347 bp

Locus ID: 11006

UniProt ID: Q8NHJ6

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 (3) uses two alternate in-frame splice sites in the central and 3' coding region, compared to variant 1. The encoded isoform (3) is the same length, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.