

Product datasheet for **RC225821**

LILRA2 (NM_001130917) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	LILRA2
Synonyms:	CD85H; ILTI; LIR-7; LIR7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >RC225821 representing NM_001130917
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCCCCATCCTCACGGTCTGATCTGTCTCGGGCTGAGTCTGGGCCCCAGGACCCACGTGCAGGCAG
 GGCACCTCCCCAAGCCCAACCTCTGGGCTGAGCCAGGCTCTGTGATCATCCAGGGAAGTCCGTGTGACCT
 CAGGTGTACAGGGGAGCCTTCAGGCTGAGGAGTACCATCTATATAGGGAACAAATCAGCATCCTGGGTT
 AGACGGATACAAGAGCCTGGGAAGAATGGCCAGTTCCTCATCCATCCATCACCTGGGAACACGAGGGC
 GGTATCACTGTCACTACTACAGCCACAATCACTCATCAGAGTACAGTGACCCCTGGAGCTGGTGGTGAC
 AGGAGCTACAGCAAAACCCACCTCTCAGCTCTGCCAGCCCTGTGGTGACCTTAGGAGGGAACTGACG
 CTCCAGTGTGTCTCACAGGTGGCATTGACGGCTTCATTCTGTGTAAGGAAGGAGAAGATGAACACCCAC
 AACGCCTGAATCCCATCCCATGCCCGTGGTGGTCTGGCCATCTTCTCGTGGGCCCCGTGAGCCC
 GAGTCGAGGTGGTGTACAGGTGCTATGCTTATGACTCGAACTCTCCCTATGTGTGGTCTCTACCCAGT
 GATCTCTGGAGCTCCTGGTCCAGGTGTTTCTAAGAAGCCATCACTCTCAGTGCAGCCAGGTCTATAG
 TGGCCCCGGGGAGAGCCTGACCTCCAGTGTGTCTCTGATGTGCGCTACGACAGATTTGTTCTGTATAA
 GGAGGGAGAACGTGACTTCCTCCAGCGCCTGGTTGGCAGCCCCAGGCTGGGCTCTCCAGGCCAACTTC
 ACCCTGGGCCCTGTGAGCCCCCTCCACGGGGCCAGTACAGATGCTACAGTGACACAACTCTCCTCCG
 AGTGGTGGGCCCCAGTGACCCCTGGACATCCTGATCACAGGACAGTTCTATGACAGACCTCTCTCTC
 GGTGACCGGTTCCCAAGTAGCCCCAGGAAAGAACGTGACCTGCTGTGTGAGTACGAGGGGAGTTC
 CACACTTCTCTTGACCAAGGAGGGGGCAGGCCATCCCCACTGCATCTGAGATCAGAGCACCAAGCTC
 AGCAGAACCAGGTGAATTCGCATGGTCTGTGACCTCAGCCACGTGGGGACCTACAGATGCTACAG
 CTCCTCAGCTCCAACCCCTACCTGCTGTCTCTCCCAAGTACCCCTGGAGCTCGTGGTCTCAGAAGCA
 GCTGAGACCTCAGCCATCAAAAACAAGACAGACTCCACGACTACATCCCTAGGCCAACACCCCCAGG
 ATTACAGTGGAGAATCTCATCCGATGGGTGTGGCTGGCTTGGTCTGGTGGTCTCGGGATTCTGCT
 ATTTGAGGCTCAGCACAGCCAGAGAAGCCTACAAGATGCAGCCGGGAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225821 representing NM_001130917
 Red=Cloning site Green=Tags(s)

MTPILTVL ICLGLSLGPRTHVQAGHLPKPTLWAEPSV I IQGSPVTLRCQGS LQAE EYHLYRENK SASWV
 RRIQEPGKNGQFPIPSITWEHAGRYHCQYYSHNHSSEYSDPLEL VVTGAYSKPTLSALPSPVVTLG GNV
 LQCVSQVAFDGFILCKEGEDEHPQRLNSHSHARGWSWAI FSVGPVSPSRWSYRCYAYDSN SPYVWLSLPS
 DLLELLVPVSVSKKPSLSVQPGMPVAPGESLTLQCVSDVGYDRFVLYKEGERDFLQRPGWQPQAGLSQANF
 TLGPVSPSHGGQYRCYSAHNL SSEWSAPSDPLDILITGQFYDRPSLSVQPVPTVAPGKNVTLLCQSRGQF
 HTFLLTKEGAGHPPLHLRSEHQAQQNQAEFRMG PVTSAHVGTYRCYSSLSNPYLLSLPSDPLEL VVSEA
 AETLSPSQNKTDSTTSLGQHPQDYTVENLIRMGVAGLVVLGILLFEAQHSQRSLQDAAGR

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8062_h06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001130917

ORF Size: 1449 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

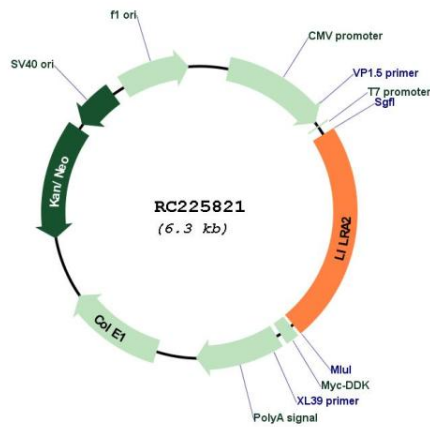
RefSeq: [NM_001130917.1](#), [NP_001124389.1](#)

RefSeq ORF: 1452 bp

Locus ID: 11027
Cytogenetics: 19q13.42
MW: 52.8 kDa

Gene Summary: This gene encodes a member of a family of immunoreceptors that are expressed predominantly on monocytes and B cells, and at lower levels on dendritic cells and natural killer cells. The encoded protein is an activating receptor that inhibits dendritic cell differentiation and antigen presentation and suppresses innate immune response. Alternatively spliced transcript variants encoding different isoforms have been found. This gene is located in a cluster of related genes on chromosome 19 and there is a pseudogene for this gene on chromosome 3. [provided by RefSeq, Mar 2014]

Product images:



Circular map for RC225821