

Product datasheet for **RC205626**

LILRA2 (NM_006866) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LILRA2 (NM_006866) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LILRA2
Synonyms:	CD85H; ILT1; LIR-7; LIR7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC205626 representing NM_006866
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGACCCCCATCCTACGGTCTGATCTGTCTCGGGCTGAGTCTGGGCCCCAGGACCCACGTGCAGGCAG
 GGCACCTCCCCAAGCCACCTCTGGGCTGAGCCAGGCTCTGTGATCATCCAGGGAAGTCCTGTGACCCCT
 CAGGTGTGAGGGAGCCTTCAGGCTGAGGAGTACCATCTATATAGGGAACAAATCAGCATCCTGGGTT
 AGACGGATACAAGAGCCTGGGAAGAATGGCCAGTTCCTCCATCCATCCATCACCTGGGAACACGAGGGC
 GGTATCACTGTCACTACTACAGCCACAATCACTCATCAGAGTACAGTACCCCTGGAGCTGGTGGTGAC
 AGGAGCCTACAGCAACCCACCTCTCAGCTCTGCCAGCCCTGTGGTGACCTTAGGAGGGAACGTGACC
 CTCCAGTGTGTCTACAGGTGGCATTGACGGCTTCATTCTGTGAAGGAAGGAGAAGATGAACACCCAC
 AACGCCTGAACCTCCATTCCTGCCCCGGTGGTGGTCTGGGCCATCTTCTCCGTGGGCCCGTGAGCCC
 GAGTCGAGGTGGTCTGACAGGTGCTATGCTTATGACTCGAACTCTCCCTATGTGTGGTCTCTACCCAGT
 GATCTCCTGGAGCTCCTGGTCCAGGTGTTTCTAAGAAGCCATCACTCTCAGTGCAGCCAGGTCTATGG
 TGGCCCTGGGGAGAGCCTGACCCTCCAGTGTGTCTCTGATGTGCGGTACGACAGATTTGTTCTGTATAA
 GGAGGGAGAAGCTGACTTCCTCCAGCGCCTGGTTGGCAGCCCCAGGCTGGGCTCTCCAGGCCAACTTC
 ACCCTGGGCCCTGTGAGCCCTCCACGGGGGCCAGTACAGATGCTACAGTGCACACAACCTCTCTCCG
 AGTGGTCGGCCCCAGTGACCCCTGGACATCTGATCACAGGACAGTTCTATGACAGACCTCTCTCTC
 GGTGCAGCCGGTCCCCACAGTAGCCCCAGGAAAGAACGTGACCTGCTGTGTGAGTACAGGGGGCAGTTC
 CACACTTCTCTGACCAAGGAGGGGGCAGGCCATCCCCACTGCATCTGAGATCAGAGCACCAAGCTC
 AGCAGAACCAAGGCTGAATTCGCATGGTCTGTGACCTCAGCCACGTGGGGACCTACAGATGCTACAG
 CTCACTCAGCTCCAACCCCTACCTGCTGTCTCTCCCAAGTGACCCCTGGAGCTCGTGGTCTCAGCATCC
 CTAGGCCAACCCCCAGGATTACACAGTGAGAAATCTCATCCGCATGGGTGTGGCTGGCTGGTCTGTG
 TGGTCTCGGGATTCTGTATTTGAGGCTCAGCACAGCCAGAGAAGCCTACAAGATGCAGCCGGGAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205626 representing NM_006866
 Red=Cloning site Green=Tags(s)

MTPILTVL ICLGLSLGPRTHVQAGHLPKPTLWAEPGSVIIQGPSVTLRCQGS LQAEEYHLYRENKSASW
 RRIQEPGKNGQFPIPSITWEHAGRYHCQYYSHNHSSEYSDPLELVVTGAYSKPTLSALPSPVVTLG
 LQCVSQVAFDGFILCKEGEDHPQRLNSHSHARGWSWAIFSVGPVSPRRWSYRCYAYDSNSPYVWSLPS
 DLLELLVPGVSKKPSLSVQPGPMVAPGESLTLQCVSDVGYDRFVLYKEGERDFLQRPGWQPQAGLSQANF
 TLGPVSPSHGGQYRCYSAHNLSEWSAPSDPLDILITGQFYDRPSSLVQPVPTVAPGKNVTLLCQSRGQF
 HTFLLTKEGAGHPPLHLRSEHQQQNQAEFRMGVPTSAHVGTYRCYSSLSNPYLLSLPSDPLELVVSAS
 LGQHPQDYTVENLIRMGVAGLVVLGILLFEAQHSQRSLQDAAGR

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg2697_c01.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_006866

ORF Size: 1398 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_006866.1](#), [NP_006857.1](#)

RefSeq Size: 1696 bp

RefSeq ORF: 1401 bp

Locus ID: 11027

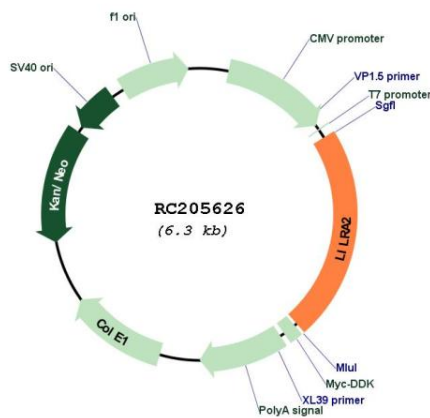
UniProt ID: [Q8N149](#)

Cytogenetics: 19q13.42

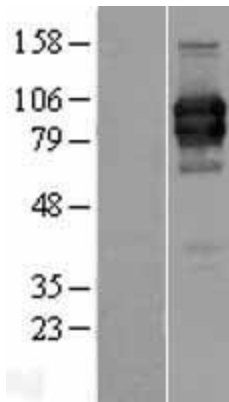
MW: 51 kDa

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 RC205626



Western blot validation of overexpression lysate (Cat# [LY416373]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205626 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).