

Product datasheet for **RG205626**

LILRA2 (NM_006866) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LILRA2 (NM_006866) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LILRA2
Synonyms:	CD85H; ILT1; LIR-7; LIR7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205626 representing NM_006866
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCCCATCCTCACGGTCTGATCTGTCTCGGGCTGAGTCTGGGCCCCAGGACCCACGTGCAGGCAG
 GGCACCTCCCAAGCCACCCTCTGGGCTGAGCCAGGCTCTGTGATCATCCAGGGAAGTCCTGTGACCCT
 CAGGTGTCAGGGGAGCCTTCAGGCTGAGGAGTACCATCTATATAGGAAAAACAAATCAGCATCCTGGGTT
 AGACGGATAACAAGAGCCTGGGAAGAATGGCCAGTTCATCCATCCATCACCTGGGAACACGCAGGGC
 GGTACTACTGTCAGTACTACAGCCACAATCACTCATCAGAGTACAGTACAGTACAGTACAGTACAGTACAGT
 AGGAGCCTACAGCAAACCCACCCTCTCAGCTCTGCCAGCCCTGTGGTACCTTAGGAGGGAACGTGACC
 CTCAGTGTGTCTCACAGGTGGCATTGACGGCTTCATTCTGTGTAAAGGAAGGAGAAGATGAACACCCAC
 AACGCCTGAACCTCCATCCCATGCCCGTGGTGGTCTGGGCCATCTTCTCCGTGGGCCCGTGAGCCC
 GAGTCGCAGGTGGTTCGACAGGTGCTATGCTTATGACTCGAACTCTCCCTATGTGTGGTCTTACCCAGT
 GATCTCCTGGAGCTCCTGGTCCCAGGTGTTTCTAAGAAGCCATCACTCTCAGTGCAGCCAGGTCCTATGG
 TGGCCCTGGGGAGAGCCTGACCCTCCAGTGTGTCTCTGATGTCCGGTACGACAGATTTGTTCTGTATAA
 GGAGGGAGAACGTGACTTCTCCAGCGCCTGGTTGGCAGCCCCAGGCTGGGCTCTCCAGGCCAACTTC
 ACCCTGGGCCCTGTGAGCCCTCCACGGGGGCCAGTACAGATGCTACAGTGCACACAACCTCTCCTCCG
 AGTGGTCGGCCCCAGTGACCCCTGGACATCCTGATCACAGGACAGTTCATGACAGACCTCTCTCTC
 GGTGCAGCCGGTCCCCACAGTAGCCCCAGGAAAGAACGTGACCCCTGCTGTGTGACGACAGGGGACGTT
 CACTTTCTCTGACCAAGGAGGGGGCAGGCCATCCCCACTGCATCTGAGATCAGAGCAACCAAGCTC
 AGCAAGACAGGCTGAATCCGCATGGTCTGTGACCTCAGCCACGTGGGGACCTACAGATGCTACAG
 CTCACTCAGTCCAACCCCTACCTGCTCTCCCCAGTGACCCCTGGAGCTCGTGGTCTCAGCATCC
 CTAGGCCAACCCCCAGGATTACACAGTGAGAAATCTCATCCGCATGGGTGTGGCTGGCTTGGTCTGG
 TGGTCTCGGGATTCTGCTATTTGAGGCTCAGCACAGCCAGAGAAGCCTACAAGATGCAGCCGGGAGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG205626 representing NM_006866
 Red=Cloning site Green=Tags(s)

MTPILTVL ICLGLSLGPRTHVQAGHLPKPTLWAEPGSVIIQGGSPVTLRCQGSQAEEYHLYRENKSASW
 RRIQEPGKNGQFPISITWEHAGRYHCQYYSHNHSSEYSDPLELVVTGAYSKPTLSALPSPVTLGGNVT
 LQCVSQVAFDGFILCKEGEDHPQRLNSHSHARGWSWAIFSVGPVSPRRWSYRCYAYDSNSPYVWVSLPS
 DLLELLVPGVSKKPSLSVQPGPMVAPGESLTLQCVSDVGYDRFVLYKEGERDFLQRPQWQPQAGLSQANF
 TLGPVSPSHGGQYRCYSAHNLSEWSAPSDPLDILITGQFYDRPSLSVQPVPTVAPGKNVTLLCQSRGQF
 HTFLLTKEGAGHPPLHLRSEHQQQNQAERFMGPVTSAHVGTYRCYSSLSNPYLLSLPSDPLELVVSAS
 LGQHPQDYTVENLIRMGVAGLVLVVLGILLFEAQHSQRSLSQDAAGR

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-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.

RefSeq: [NM_006866.1](#), [NP_006857.1](#)

RefSeq Size: 1696 bp

RefSeq ORF: 1401 bp

Locus ID: 11027

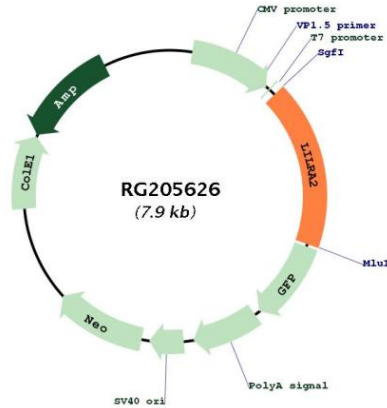
UniProt ID: [Q8N149](#)

Cytogenetics: 19q13.42

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 RG205626