

Product datasheet for **RG237224**

LILRA1 (NM_001278318) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LILRA1 (NM_001278318) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LILRA1
Synonyms:	CD85I; LIR-6; LIR6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237224 representing NM_001278318. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCCCATCGTCACAGTCTGATCTGTCTCAGGCTGAGTCTGGGCCCGGACCCACGTGCAGGCA
GGGACCCCTCCCAAGCCACACTCTGGGCTGAGCCAGGCTCTGTGATCACCCAGGGGAGTCCCGTGACC
CTCTGGTGTGAGGGGATCCTGGAGACCCAGGAGTACCGTCTGTATAGAGAAAAGAAAACAGCACCCCTGG
ATTACACGGATCCACAGGAGATTGTGAAGAAGGGCCAGTTCCCATCCCATCCATCACCTGGGAACAC
ACAGGGCGGTATCGCTGTTTCTACGGTAGCCACACTGCAGGCTGGTCAGAGCCCAGTGACCCCTGGAG
CTGGTGGTGACAGGAGCCTACATCAAACCCACCCTCTCAGCTCTACCCAGCCCTGTGGTGACCTCAGGA
GGGAACGTGACCCCTCCATTGTGTCTCACAGGTGGCATTGGCAGCTTCATTCTGTGTAAGGAAGGAGAA
GATGAACACCCACAATGCCTGAACCTCACAGCCCGTACCCATGGGTGGTCCCGGGCCATCTTCTCTGTG
GGCCCCGTGAGCCCGAGTCGCAGGTGGTGTACAGGTGCTATGCTTATGACTCGAACTCTCCCCATGTG
TGGTCTTACCCAGTGATCTCCTGGAGCTCCTGGTCTAGGAGCAGCTGAGACCCCTCAGCCACCCACAA
ACAAGTCCGATTCCAAGGCTGGAGCAGCTAACACCCTCAGCCATCACAAAACAAGACTGCCTCACAC
CCCAGGATTACACAGTGGAGAATCTCATCCGCATGGGCATAGCTGGCTTGGTCTGGTGGTCTCGGG
ATTCTGCTATTTGAGGCTCAGCACAGCCAGAGAAGCCTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237224
 Blue=ORF Red=Cloning site Green=Tag(s)

MTPIVTVLICRLSLGPRTHVQAGTLPKPTLWAEPGSVITQGSPVTLWCQGILETQEYRLYREKKTAPW
 ITRIPQEIYVKKGFPIPSITWEHTGRYRCFYGSHTAGWSEPSDPLELVTGAYIKPTLSALPSPVVTSG
 GNVTLHCYSQVAFGSFILCKEGEDHPQCLNSQPRTHGWSRAIFSVGPVSPSRRWSYRCYAYDSNSPHV
 WSLPSDLLELLVLGAAETLSPPQNKSDSKAGAANTLSPSQNKTAHPQDYTVENLIRMGIAGLVLVVLG
 ILLFEAQHSQRSL
 TRTRPLEMSEDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001278318

ORF Size: 867 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).

RefSeq: [NM_001278318.2](#)

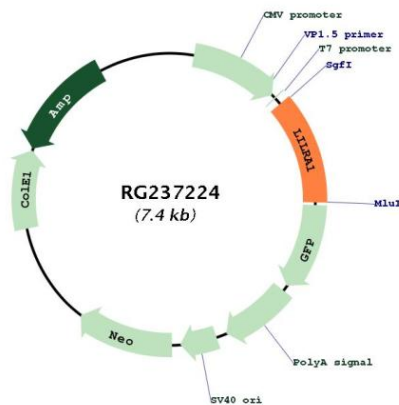
RefSeq Size: 2688 bp

RefSeq ORF: 870 bp

Locus ID: 11024
UniProt ID: [O75019](#)
Cytogenetics: 19q13.42
MW: 32.2 kDa

Gene Summary: This gene encodes an activating member of the leukocyte immunoglobulin-like receptor (LIR) family, which is found in a gene cluster at chromosomal region 19q13.4. The encoded protein is predominantly expressed in B cells, interacts with major histocompatibility complex class I ligands, and contributes to the regulation of immune responses. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013]

Product images:



Circular map for RG237224