

## Product datasheet for **RG207003**

### LILRA3 (NM\_006865) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LILRA3 (NM_006865) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LILRA3
Synonyms:	CD85E; HM31; HM43; ILT-6; ILT6; LIR-4; LIR4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207003 representing NM_006865 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCTCCATCCTCACGGTCTGATCTGTCTCGGGCTGAGCCTGGACCCAGGACCCACGTGCAGGCAG  
GGCCCCCCCCAAGCCCACCCTCTGGGCTGAGCCAGGCTCTGTGATCACCAAGGGAGTCTGTGACCCCT  
CAGGTGTCAGGGGAGCCTGGAGACGCAGGAGTACCATCTATATAGAGAAAAGAAAACAGCACTCTGGATT  
ACACGGATCCCACAGGAGCTTGTGAAGAAGGGCCAGTTCCCCATCCTATCCATCACCTGGGAACATGCAG  
GGCGGTATTGCTGTATCTATGGCAGCCACTGTAGGCCTCTCAGAGAGCAGTGACCCCTGGAGCTGGT  
GGTGACAGGAGCCTACAGCAAACCCACCCTCTCAGCTCTGCCAGCCCTGTGGTGACCTCAGGAGGGAAT  
GTGACCATCCAGTGTGACTCACAGGTGGCATTGTATGGCTTCATTCTGTGTAAGGAAGGAGAAGATGAAC  
ACCCACAATGCCTGAACCTCCATTCCCATGCCCGTGGGTCCATCCCGGGCCATCTTCTCCGTGGGCCCGT  
GAGCCCAAGTCGAGGTGGTCTGACAGGTGCTATGGTTATGACTCGCGCCTCCCTATGTGTGGTCTCTA  
CCCAGTGATCTCCTGGGGCTCCTGGTCCCAGGTGTTTCTAAGAAGCCATCACTCTCAGTGACCCGGGTC  
CTGTCTGGCCCCCTGGGAGAAGCTGACCTCCAGTGTGGCTCTGATGCCGGCTACGACAGATTTGTTCT  
GTACAAGGAGTGGGACGTGACTTCCCTCAGCGCCCTGGCCGGCAGCCCCAGGCTGGGCTCTCCAGGCC  
AACTTACCCTGGGCCCTGTGAGCCGCTCCTACGGGGCCAGTACACATGCTCCGGTGCATACAACCTCT  
CCTCCGAGTGGTCCGGCCCCAGCGACCCCTGGACATCCTGATCACAGGACAGATCCGTGCCAGACCCTT  
CCTCTCCGTGCGCCGGGCCCCACAGTGGCCTCAGGAGAGAACGTGACCTGCTGTGTCAGTACAGGGA  
GGGATGCACACTTCTTTTACCAAGGAGGGGCGAGTGATTCCCCGCTGCGTCTAAAATCAAAGCGCC  
AATCTCATAAGTACCAGGCTGAATTCCCATGAGTCTGTGACCTCGGCCACCGGGGACCTACAGGTG  
CTACGGCTCACTCAGTCCAACCCCTACCTGCTGACTCACCCAGTGACCCCTGGAGCTCGTGGTCTCA  
GGAGCAGTGTGACCCCTCAGCCACCACAAAACAAGTCCGACTCCAAGGCTGGTGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207003 representing NM\_006865  
Red=Cloning site Green=Tags(s)

MTSILTVLICLGLSLDPRTHVQAGPLPKPTLWAEPGSVITQGSPVTLRCQGSLETQEYHLYREKKTALWI  
 TRIPQELVKKGQFPILSITWEHAGRYCCIYGSHTVGLSESSDPLELVVTGAYSKPTLSALPSPVVTSGGN  
 VTIQCDSQVAFDGFILCKEGEDEHPQCLNSHSHARGSSRAIFSVGPVSPSRRWSYRCYGYDSRAPYVWSL  
 PSDLLGLLVPGVSKKPSLSVQPGPVVAPGEKLTFCQCGSDAGYDRFVLYKEWGRDFLQRPGRQPQAGLSQA  
 NFITLGPVRSYGGQYTC SGAYNLSSEWSAPSDPLDILITGQIRARPFLLSVRPGPTVASGENVTLLCQSQG  
 GMHTFLLTKEGAADSPLRLKSKRQSHKYQAEFMPSPVTSAHAGTYRCYGLSSNPYLLTHPSDPLELVVS  
 GAAETLSPQNKSDSKAGE

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_006865

**ORF Size:** 1317 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\\_006865.2](#), [NP\\_006856.2](#)

**RefSeq Size:** 1624 bp

**RefSeq ORF:** 1320 bp

**Locus ID:** 11026

**UniProt ID:** [Q8N6C8](#)

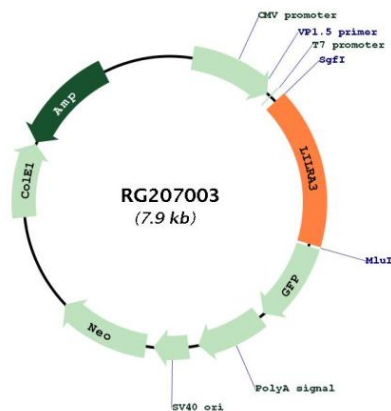
**Cytogenetics:** 19q13.4

**Domains:** ig, IGC2, IG

**Protein Families:** Secreted Protein

**Gene Summary:** This gene encodes a member of a family of immunoreceptors that are expressed predominantly in monocytes and B cells, and at lower levels in dendritic cells and natural killer cells. The encoded protein lacks the transmembrane region found in other members of this family. It acts as a soluble receptor for class I major histocompatibility complex (MHC) antigens. Alternatively spliced transcript variants encoding different isoforms have been found. This gene is located in a cluster of related genes on chromosome 19 and is polymorphic in human populations, with many individuals containing a deletion of this genomic region. [provided by RefSeq, Mar 2014]

### Product images:



Circular map for RG207003