

Product datasheet for **RG229960**

LILRA3 (NM_001172654) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LILRA3 (NM_001172654) 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: >RG229960 representing NM_001172654
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCCATCCTCACGGTCTGATCTGTCTCGGGCTGAGCCTGGACCCAGGACCCACGTGCAGGCAG
GGCCCTCCCAAGCCCACCCTCTGGGCTGAGCCAGGCTCTGTGATCACCAAGGGAGTCTGTGACCCCT
CAGGTGTCAGGGGAGCCTGGAGACGCAGGAGTACCATCTATATAGAGAAAAGAAAACAGCACTCTGGATT
ACACGGATCCCACAGGAGCTTGTGAAGAAGGGCCAGTTCCCATCCTATCCATCACCTGGGAACATGCAG
GGCGGTATTGCTGTATCTATGGCAGCCACACTGCAGGCCTCTCAGAGAGCAGTGACCCCTGGAGCTGGT
GGTGACAGGAGCCTACAGCAAACCCACCCTCTCAGCTCTGCCAGCCCTGTGGTGACCTCAGGAGGGAAT
GTGACCATCCAGTGTGACTCACAGGTGGCATTGTGGCTTCATTCTGTGTGTTTCTAAGAAGCCATCAC
TCTCAGTGCAGCCGGTCTGTCTGGCCCTGGGGAGAAGCTGACCTTCCAGTGTGGCTCTGATGCCGG
CTACGACAGATTTGTTCTGTACAAGGAGTGGGGACGTGACTTCTCCAGCGCCCTGGCCGGCAGCCCAAG
GCTGGGCTCTCCAGGCCAATTACCCCTGGGCCCTGTGAGCCGCTCTACGGGGCCAGTACACATGCT
CCGGTGCATAACAACCTCTCCTCCGAGTGGTCCGCCCCAGCGACCCCTGGACATCCTGATCACAGGACA
GATCCGTGCCAGACCCTCTCTCCGTGCGGCCGGCCCCACAGTGGCCCTCAGGAGAGAAGTACCCCTG
CTGTGTCAGTACAGGGAGGGATGCACACTTTCCTTTTGACCAAGGAGGGGCGAGCTGATCCCCGCTGC
GTCTAAAATCAAAGCGCAATCTCATAAGTACCAGGCTGAATCCCATGAGTCCTGTGACCTCGGCCCA
CGCGGGGACCTACAGGTGCTACGGCTCACTCAGCTCCAACCCCTACCTGCTGACTCACCCAGTGACCCC
CTGGAGCTCGTGGTCTCAGGAGCAGCTGAGACCCTCAGCCACCACAAAACAAGTCCGACTCCAAGGCTG
GTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229960 representing NM_001172654
 Red=Cloning site Green=Tags(s)

MTPILTVL ICLGLSLDPRTHVQAGPLPKPTLWAEPGSVITQGSPVTLRCQGSLETQEYHLYREKKTALWI
 TRIPQELVKKGQFPILSITWEHAGRYCCIYGSHTAGLSESSDPLELVVTGAYSKPTLSALPSPVVTSGGN
 VTIQCDSQVAFDGFILCVSKKPSLSVQPGPVVAPGEKLFQCGSDAGYDRFVLYKEWGRDFLQRPGRQPQ
 AGLSQANFTLGPVSRSYGGQYTCSGAYNLSSEWSAPSDPLDILITGQIRARPFLSVRPGPTVASGENVTL
 LCQSQGGMHTFLLTKEGAADSPRLRLKSKRQSHKYQAEFPMSPVTSAHAGTYRCYGLSSNPYLLTHPSDP
 LELVVSAAETLSPPQNKSDSKAGE

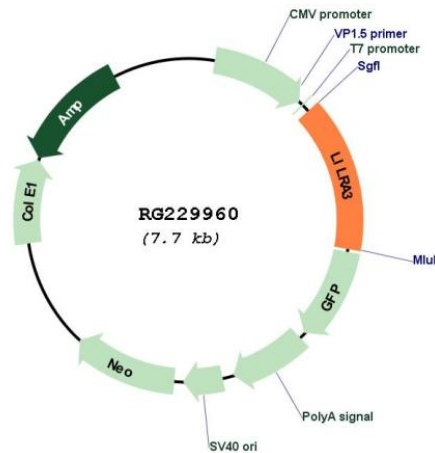
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001172654

ORF Size:	1125 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:	<ol style="list-style-type: none">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_001172654.2 , NP_001166125.1
RefSeq Size:	1415 bp
RefSeq ORF:	1128 bp
Locus ID:	11026
UniProt ID:	Q8N6C8
Cytogenetics:	19q13.4
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]