

Product datasheet for **RG212310**

LILRA5 (NM_021250) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LILRA5 (NM_021250) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LILRA5
Synonyms:	CD85; CD85F; ILT-11; ILT11; LILRB7; LIR-9; LIR9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212310 representing NM_021250 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACCATGGTCTCATCCATCTGCACAGCTGCAGCCAGTGGGAGGAGACGCCGTGAGCCCTGCCCTCA
TGGTTCTGCTCTGCCTCGGGCTGAGTCTGGGCCCCAGGACCCACGTGCAGGCAGGGAACCTCTCAAAGC
CACCTCTGGGCTGAGCCAGGCTCTGTGATCAGCCGGGGAACTCTGTGACCATCCGGTGTGAGGGGACC
CTGGAGGCCCAGGAATACCGTCTGGTTAAAGAGGGAAGCCAGAACCCTGGGACACACAGAACCCACTGG
AGCCCAAGAACAAGGCCAGATTCTCCATCCCATCCATGACAGAGCACCATGCAGGGAGATACCGCTGTTA
CTACTACAGCCCTGCAGGCTGGTCAGAGCCAGCGACCCCTGGAGCTGGTGGTGACAGGATTCTACAAC
AAACCCACCTCTCAGCCCTGCCAGTCTGTGGTGACCTCAGGAGAGAACGTGACCCCTCCAGTGTGGCT
CACGGCTGAGATTCGACAGGTTCACTGACTGAGGAAGGAGACCACAAGCTCTCCTGGACCTTGGACTC
ACAGCTGACCCCAAGTGGGCAAGTCCAGGCCCTGTTCCCTGTGGGCCCTGTGACCCCAAGCAGCCACAGGTGG
ATGCTCAGATGCTATGGCTCTCGCAGGCATATCCTGCAGGTATGGTCAGAACCCAGTGCCTCCTGGAGA
TCCGGTCTCAGGAGCAGCTGATAACCTCAGTCCGTCACAAAACAAGTCTGACTCTGGACTGCCTCACA
CCTTCAGGATTACGCAGTAGAGAATCTCATCCGCATGGGCATGGCCGGCTTGATCCTGGTGGTCCCTGGG
ATTCTGATATTTAGGATTGGCACAGCCAGAGAAGCCCCAAGCTGCAGCTGGAAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG212310 representing NM_021250
 Red=Cloning site Green=Tags(s)

MAPWSPHSAQLQPVGGDAVSPALMVLLCLGLSLGPRTHVQAGNLSKATLWAEPGSVISRGNVSVTIRCQGT
 LEAQEYRLVKEGSPPEWDTQNPLEPKNKARFSIPSMTEHHAGRYRCYYSPAGWSEPSDPLELVVTGFYN
 KPTLSALPSPVVTSGENVTLQCGSRLRFDRFILTEEGDHKLSWTLDSQLTPSGQFQALFPVGPVTPSHRW
 MLRCYGSRRHILQVWSEPSDLLEIPVSGAADNLSFSQNKSDSGTASHLQDYAVENLIRMGAGLILVVLG
 ILIFQDWHWSQRSPQAAAGR

TRTRPLE - GFP Tag - V

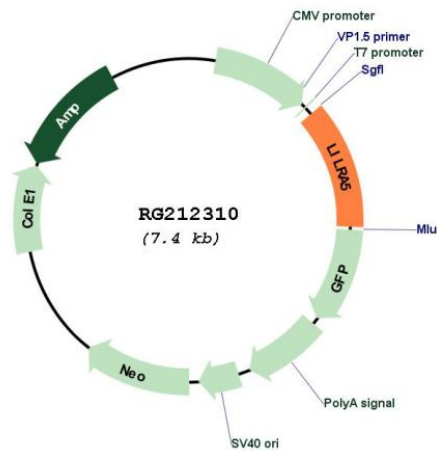
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_021250

ORF Size: 897 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_021250.4
RefSeq Size:	1365 bp
RefSeq ORF:	900 bp
Locus ID:	353514
UniProt ID:	A6NI73
Cytogenetics:	19q13.42
Gene Summary:	The protein encoded by this gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family. LIR family members are known to have activating and inhibitory functions in leukocytes. Crosslink of this receptor protein on the surface of monocytes has been shown to induce calcium flux and secretion of several proinflammatory cytokines, which suggests the roles of this protein in triggering innate immune responses. This gene is one of the leukocyte receptor genes that form a gene cluster on the chromosomal region 19q13.4. Four alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]