

Product datasheet for **RG238247**

IL31RA (NM_001297572) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL31RA (NM_001297572) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IL31RA
Synonyms:	CRL; CRL3; GLM-R; GLMR; GPL; hGLM-R; IL-31RA; PLCA2; PRO21384
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238247 representing NM_001297572. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACATACTGGAGATTAGAGAACATAGCGAAAACCTGAACCACCTAAGATTTTCCGTGTGAAACAGTT
TTGGGCATCAAACGAATGATTCAAATTTGAATGGATAAAGCCTGAGTTGGCGCCTGTTTCATCTGATTTA
AAATACACACTTCGATTCAGGACAGTCAACAGTACCAGCTGGATGGAAGTCAACTTCGCTAAGAACCGT
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CCAGAAAGCAACACTAACCTCACAGAAACAATGAACACTACTAACCAGCAGCTTGAAGTGCATCTGGGA
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AAATTAACCTTTCTGGTGTATAACATCTCTGTGTATCCAATGTTGCATGACAAAGTTGGCGAGCCA
TATCCATCCAGGCTTATGCCAAAGAAGCGTTCCATCAGAAGTCTGAGACCAAGTGGAGAACATT
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TTGCAACCTGGCATGAATCACTTAGCTTTAAATCTCTGAAAAATGGGGCCAAGAGCACCCACCTT
TTGGGGTTTTGGGGTTAAATGAGAGTGAAGTGACAGTACCTGAGAGGAGAGTCTGAGGAATGGAAG
GAGTTGTTA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238247
 Blue=ORF Red=Cloning site Green=Tag(s)

MTYWRL ENIAKTEPPKIFRVKPV LGIKRMIQIEWIKPELAPVSSDLKYTLRFRTVNSTSWMEVNF AKNR
 KDKNQTYNL TGLQPFTEYVIALRC AVKESKFWS DWSQEKMGMT EEEAPCGL ELWRV LKPAEADGRRPVR
 LLWKKARGAPVLEKTLGYNIWYYPESNTNL TETMNTTNQQLHLGGESFWVSMISYNSLGKSPVATLR
 IPAIQEKSFQCI EVMQACVAEDQLVVKWQSSALDVNTWMI EWFPD V DSEPTT LSWESVSQATNWTIQD
 KLPKPFWCYNISVYPLHDKVGE PYSIQAYAKEGVPSEGPETKVENIGVKTVTITWKEIPKSERKGIICN
 YTFYQAE GGGKGFCKHAHSEVEKNPKPQIDAMDRPVVGMAPP SHCDLQPGMNLASLNLSENGAKSTHL
 LGFWGLNESEVTPERRVLRKWKELL
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001297572

ORF Size: 1320 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_001297572.2](#)

RefSeq Size: 2551 bp

RefSeq ORF: 1323 bp

Locus ID: 133396

UniProt ID: [Q8NI17](#)

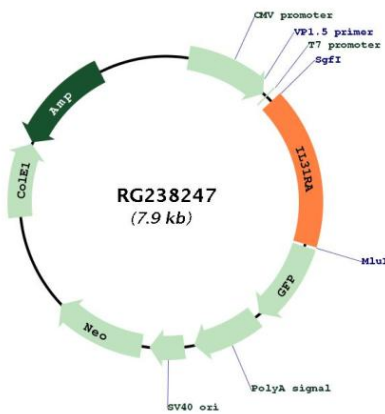
Cytogenetics: 5q11.2

Protein Families: Druggable Genome, Transmembrane

MW: 50.9 kDa

Gene Summary: The protein encoded by this gene belongs to the type I cytokine receptor family. This receptor, with homology to gp130, is expressed on monocytes, and is involved in IL-31 signaling via activation of STAT-3 and STAT-5. It functions either as a monomer, or as part of a receptor complex with oncostatin M receptor (OSMR). Several alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Jun 2011]

Product images:



Circular map for RG238247