

Product datasheet for **RC238247**

IL31RA (NM_001297572) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL31RA (NM_001297572) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IL31RA
Synonyms:	CRL; CRL3; GLM-R; GLMR; GPL; hGLM-R; IL-31RA; PLCA2; PRO21384
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC238247 representing NM_001297572 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACATACTGGAGATTAGAGAACATAGCGAAACTGAACCACCTAAGATTTTCCGTGTGAAACCAGTTT
TGGGCATCAAACGAATGATTCAAATTGAATGGATAAAGCCTGAGTTGGCGCTGTTTCATCTGATTTAAA
ATACACACTTCGATTCAGGACAGTCAACAGTACCAGCTGGATGGAAGTCAACTTCGTAAGAACCCTAAG
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CGGTCAAGGAGTCAAAGTCTGGAGTGACTGGAGCCAAGAAAAATGGGAATGACTGAGGAAGAAGCTCC
ATGTGGCCTGGAAGTGTGGAGAGTCTGAAACCAGCTGAGGCGGATGGAAGAAGGCCAGTGCGGTTGTTA
TGAAGAAGGCAAGAGGAGCCCCAGTCCTAGAGAAAACACTTGGCTACAACATATGGTACTATCCAGAAA
GCAACACTAACCTCACAGAAACAATGAACACTACTAACAGCAGCTTGAAGTGCATCTGGGAGGCGAGAG
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ATTCAGAAAAATCATTTTCAGTGCATTGAGGTCATGCAGGCTGCGTTGCTGAGGACCAGCTAGTGGTGA
AGTGGCAAAGCTCTGCTCTAGAGCTGAACACTTGGATGATTGAATGGTTTCCGGATGTGGACTCAGAGCC
CACCACCCTTTCTGGGAATCTGTGTCTCAGGCCACGAAGTGGAGTCCAGCAAGATAAAATTAACCT
TTCTGGTGTATAACATCTCTGTGTATCCAATGTTGCATGACAAAAGTTGGCGAGCCATATCCATCCAGG
CTTATGCCAAAGAAGCGTTCCATCAGAAGTCTGAGACCAAGGTGGAGAACATTGGCGTGAAGACGGT
CACGATCACATGGAAAGAGATCCCAAGAGTGAGAGAAAGGTATCATCTGCAACTACACCATCTTTTAC
CAAGCTGAAGGTGAAAAGGATTCTGTAAGCACGCCATAGCGAAGTGGAAAAAACCCCAAGCCCCAGA
TAGATGCTATGGATAGACCTGTTGTAGGATGGCTCCCCATCTCATTGTGACTTGAACCTGGCATGAA
TCACTTAGCTTTTAAATCTCTGAAAATGGGGCCAAGAGCACCCACCTTTTGGGGTTTGGGGTTA
AATGAGAGTGAAGTGACAGTACCTGAGAGGAGAGTCTGAGGAAATGGAAGGAGTTGTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC238247 representing NM_001297572
Red=Cloning site Green=Tags(s)

MTYWRLENIAKTEPPKIFRVKPVLGIKRMIQIEWIKPELAPVSSDLKYTLRFRTVNSTSWMEVNF AKNRK
 DKNQTYNLTGLQPFTEYVIALRCAVKESKFWSWDSQEKMGMT EEEAPCGLELWRVLKPAEADGRRPVRL
 WKKARGAPVLEKTLGYNIWYYPESNTNL TETMNTNQLELHLGGESFVWSMISYNSLGKSPVATLRIPA
 IQEKSFCQIEVMQACVAEDQLVVKWQSSALDVNTWMIWFDPVDSEPTTLSWESVVSQATNWTIQDCLKP
 FWCYNISVYPMLHDKVGEPIYSIQAYAKEGVPSEGPETKVENIGVKTVTITWKEIPKSERKGIICNYTIFY
 QAEGGKGFCKHAHSEVEKNPKPQIDAMDRPVVGMAPPSHCDLQGMNHLASLNLSENGAKSTHLLGFWGL
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

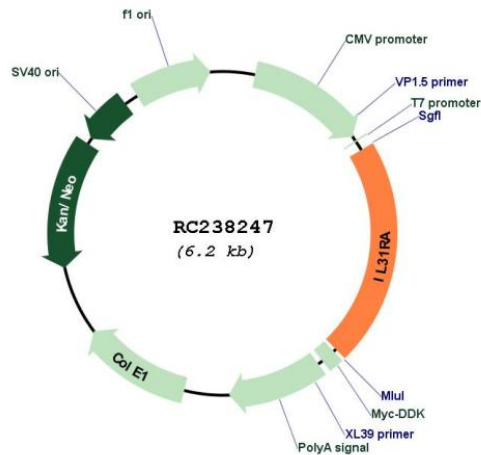
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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).
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_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]