

Product datasheet for **RC238978**

IL31RA (NM_001297570) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL31RA (NM_001297570) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IL31RA
Synonyms:	CRL; CRL3; GLM-R; GLMR; GPL; hGLM-R; IL-31RA; PLCA2; PRO21384; zcytoR17
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238978 representing NM_001297570
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGCATCAGGCAACTCAAGTTTTCCACCACGGCATGTGTCTGTGAATGTCGCAAACATTCTCTCTC
 CCCAGCCTTCATGTGTTAACCTGGGGATGATGTGGACCTGGGCACTGTGGATGCTCCCCTACTCTGCAA
 ATTCAGCCTGGCAGCTCTGCCAGCTAAGCCTGAGAACATTTCTGTGTCTACTACTATAGAAAAATTTA
 ACCTGCACTTGGAGTCCAGGAAAGGAAACCAGTTATACCCAGTACACAGTTAAGAGAACTTACGCTTTTG
 GAGAAAAACATGATAATTGTACAACCAATGTTCTACAAGTAAAATCGTGCTTCGTGCTTTTTTCTCT
 TCCAAGAATAACGATCCCAGATAATTATACCATTGAGGTGGAAGCTGAAAATGGAGATGGTGAATTA
 TCTCATATGACATACTGGAGATTAGAGAACATAGCGAAAACCTGAACCACCTAAGATTTCCGTGTGAAAC
 CAGTTTTGGGCATCAAACGAATGATTCAAATTGAATGGATAAAGCCTGAGTTGGCGCCTGTTTCATCTGA
 TTTAAAATACACACTTCGATTCCAGGACAGTCAACAGTACCAGCTGGATGGAAGTCAACTTCGCTAAGAAC
 CGTAAGGATAAAAACCAACGTACAACCTCACGGGGCTGCAGCCTTTTACAGAATATGTCATAGCTCTGC
 GATGTGCGGTCAAGGAGTCAAAGTTCTGGAGTGACTGGAGCCAAGAAAAAATGGGAATGACTGAGGAAGA
 AGCTCCATGTGGCCTGGAAGTGTGGAGAGTCTGAAACCAGCTGAGGCGGATGGAAGAAGGCCAGTGC
 TTGTTATGGAAGAAGGCAAGAGGAGCCCGAGTCTAGAGAAAACACTTGGCTACAACATATGGTACTATC
 CAGAAAGCAACTAACCTCACAGAAAACATGAACACTACTAACCAGCAGCTTGAAGTGCATCTGGGAGG
 CGAGAGCTTTGGGTGTCTATGATTTCTTATAATTCTCTTGGGAAGTCTCCAGTGGCCACCCTGAGGATT
 CCAGCTATTCAAGAAAAATCATTTCAGTGCATTGAGGTCATGCAGGCTCGCTTGGTGGGACCAGCTAG
 TGGTGAAGTGGCAAAGCTCTGCTAGACGTGAACACTTGGATGATTGAATGGTTCCGGATGTGGACTC
 AGAGCCACCACCTTTCTGGGAATCTGTGTCTCAGGCCACGAACCTGGACGATCCAGCAAGATAAATTA
 AAACCTTTCTGGTGTATAACATCTCTGTGTATCCAATGTTGCATGACAAAGTTGGCGAGCCATATTCCA
 TCCAGGCTTATGCCAAAGAAGGCGTTCCATCAGAAGTCTGAGACCAAGGTGGAGAACATTGGCGTGAA
 GACGGTACGATCACATGGAAAGAGATTCCAAGAGTGAAGAAAGGATCATCTGCAACTACACCATC
 TTTTACCAAGCTGAAGGTGGAAAGGATTCTGTAAGCACGCCATAGCGAAGTGGAAAAAACCCCAAGC
 CCCAGATAGATGCTATGGATAGACCTGTTGTAGGCATGGCTCCCCATCTCATTGTGACTTGCAACCTGG
 CATGAATCACTTAGCTTCTTTAAATCTCTGAAAATGGGGCCAAGAGCACCCACCTTTTGGGTTTTGG
 GGTAAATGAGAGTGAAGTGACAGTACCTGAGAGGAGAGTCTGAGGAAATGGAAGGAGTTGTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238978 representing NM_001297570
 Red=Cloning site Green=Tags(s)

MCIRQLKFFTTACVCECPQNILSPQPCVNLGMMWTWALWMLPSLCKFSLAALPAKPENISCVYYYYRKNL
 TCTWSPGKETSQTQYTVKRTYAFGEKHDNCTTNSSTSENRASCSFFLPRITIPDNYTIEVEAENGDGVK
 SHMTYWRLNIAKTEPPKIFRVKPVLGIKRMIQIEWIKPELAPVSSDLKYTLRFRTVNSTSWMEVNF
 AKNRKDKNQTYNLTGLQPFTEYVIALRCAVKESKFWSDWSQEKMGMTTEEEAPCGLELWRVLPKPAEADGRRPVR
 LLWKKARGAPVLEKTLGYNIWYYPESNTNLTETMNTNQQLEHLGGESFVWSMISYNSLGKSPVATLRI
 PAIQEKSQFQIEVMQACVAEDQLVVKWQSSALDVNTWMIWFDPDSEPTLWSVVSQATNWTIQDKL
 KPFWCYNISVYPMPLHDKVGEPIYQAYAKEGVPSEGPETKVENIGVKTVTITWKEIPKSERKGIICNYTI
 FYQAEGGKGFCKHAHSEVEKNPKPQIDAMDRPVVGMAPP SHCDLQPGMNLASLNLSENGAKSTHLLGFW
 GLNESEVTVPERRVLRKWKELL

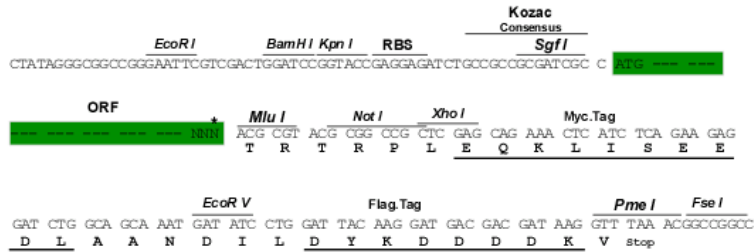
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

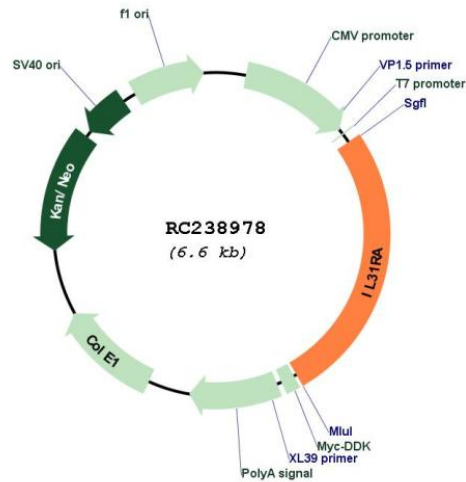
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001297570

ORF Size: 1746 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_001297570.2
RefSeq Size:	2423 bp
RefSeq ORF:	1749 bp
Locus ID:	133396
UniProt ID:	Q8NI17
Cytogenetics:	5q11.2
Protein Families:	Druggable Genome, Transmembrane
MW:	67.1 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]