

Product datasheet for **RC233021**

IL31RA (NM_001242639) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL31RA (NM_001242639) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IL31RA
Synonyms:	CRL; CRL3; GLM-R; GLMR; GPL; hGLM-R; IL-31RA; PLCA2; PRO21384; zcytoR17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC233021 representing NM_001242639
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACATACTGGAGATTAGAGAACATAGCGAAACTGAACCACCTAAGATTTTCCGTGTGAAACCAGTTT
 TGGGCATCAAACGAATGATTCAAATTGAATGGATAAAGCCTGAGTTGGCGCCTGTTTCATCTGATTAAA
 ATACACACTTCGATTCAAGACAGTCAACAGTACCAGCTGGATGGAAGTCAACTTCGCTAAGAACCCTAAG
 GATAAAACCAAACGTACAACCTCACGGGGCTGCAGCCTTTTACAGAATATGTCATAGCTCTGCGATGTG
 CGGTCAAGGAGTCAAAGTTCTGGAGTACTGGAGCCAAGAAAAATGGGAATGACTGAGGAAGAAGCTCC
 ATGTGGCTGGAAGTGTGGAGAGTCTGAAACCAGCTGAGGCGGATGGAAGAAGGCCAGTGCAGTTGTTA
 TGAAGAAGGCAAGAGGAGCCCCAGTCTAGAGAAAACACTTGGTACAACATATGGTACTATCCAGAAA
 GCAACACTAACCTCACAGAAACATGAACACTACTAACAGCAGCTTGAAGTGCATCTGGGAGGCGAGAG
 CTTTTGGGTGTCTATGATTTCTTATAATTCTCTTGGGAAGTCTCAGTGGCCACCCTGAGGATCCAGCT
 ATTCAGAAAAATCATTTCAAGTGCATTGAGGTCAATGCAGGCTGCCTGCTGAGGACCAGCTAGTGGTGA
 AGTGGCAAAGCTCTGCTCTAGACGTGAACACTTGGATGATTGAATGGTTTCCGGATGTGGACTCAGAGCC
 CACCACCTTTCTGGGAATCTGTGTCTCAGGCCACGAAGTGGACGATCCAGCAAGATAAATTAACCT
 TTCTGGTGCTATAACATCTCTGTGTATCCAATGTTGCATGACAAAGTGGCGAGCCATATTCATCCAGG
 CTTATGCCAAAGAAGGCGTTCCATCAGAAGTCTGAGACCAAGGTGGAGAACATTGGCGTGAAGACGGT
 CACGATCATATGGAAGAGATTCCCAAGAGTGAAGAAAGGATCATCTGCAACTACACCATCTTTTAC
 CAAGCTGAAGGTGGAAGAGGATTCTCAAGACAGTCAATCCAGCATCTTGCAAGTACGAGTGGAGTCCC
 TGAAACGAAAGACCTCTTACATTGTTCAAGTCAATGGCCAGCACCAGTCTGGGGGAACCAACGGGACCAG
 CATAAATTTCAAGACATTGTCTTCAAGTCTTGGAGATTATCCTCATAACTTCTCTGATTGGTGGAGGC
 CTTCTATTCTCATTATCCTGACAGTGGCATATGGTCTCAAAAAACCAACAAATTGACTCATCTGTGTT
 GGCCACCGTTCCCAACCCTGCTGAAAGTAGTATAGCCACATGGCATGGAGATGATTTCAAGGATAAGCT
 AAACCTGAAGGAGTCTGATGACTCTGTGAACACAGAAGACAGGATCTTAAACCATGTTCCACCCCAAGT
 GACAAGTTGGTGATTGACAAGTTGGTGGTGAACTTTGGGAATGTTCTGCAAGAAATTTTACAGATGAAG
 CCAGAACGGGTGAGGAAACATTTAGGAGGGGAAAGAAATGGGTATGTGACCTGCCCTTCAGGCTGA
 TTGTCCCCTGGGAAAAGTTTGGAGAGTCCCAGTTTACCTGAGATTCGCCCAGAAAATCCCAATAC
 CTACGTTGAGGATGCCAGAGGGGACCCGCCAGAACCAAGAGCAGCTTCTTTTCTGGTCAAAGTT
 TAGTACCAGATCATCTGTGTGAGGAAGGAGCCCCAAATCCATATTTGAAAAATTCAGTGACAGCCAGGGA
 ATTTCTGTGTCTGAAAACTTCCAGAGCACACCAAGGGAGAAGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC233021 representing NM_001242639
 Red=Cloning site Green=Tags(s)

MTYWRLNIAKTEPPKIFRVKPVLGIRMIQIEWIKPELAPVSSDLKYTLRFRTVNSTSWMEVNFANKRK
 DKNQTYNLTGLQPFTEYVIALRCAVKESKFWSQWSEKMGMTTEEEAPCGLELWRVLKPAEADGRRPVRL
 WKKARGAPVLEKTLGYNIWYYPESNTNL TETMNTNQQLELHLGGESFWVSMISYNSLGKSPVATLRIPA
 IQEKSQFQIEVMQACVAEDQLVVKWQSSALDVNTWMIWFDPDSEPTTSLWESVSQATNWTIQQDKLKP
 FWCYNISVYPMMLHDKVGEPIYSIQAYAKEGVPSEGPETKVENIGVKTVTITWKEIPKSERKGIICNYTIFY
 QAEGGKGFSKTVNSSILQYGLESRLKRTSYIVQVMASTAGGTNGTSINFKTLFSVFEEIILITSLIGGG
 LLILILTVAYGLKPKPNKLTHLCWPTVPNPAESSIATWHGDDFKDLNLKESDDSVNTEDRILKPCSTPS
 DKLVIDKLVVNFGNVLQEIFTDEARTGQENNLGGEKNGYVTCFPRPDCPLGKSFEELPVSPEIPRKSQY
 LRSRMPEGTRPEAKEQLLFSQSLVPDHLCEEAPNPYLKNSVTAREFLVSEKLPHEHTKGEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001242639

ORF Size: 1866 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

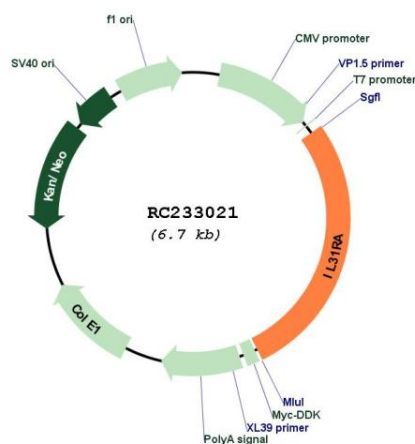
RefSeq: [NM_001242639.1](#), [NP_001229568.1](#)

RefSeq Size: 2839 bp

RefSeq ORF: 1869 bp

Locus ID:	133396
UniProt ID:	Q8NI17
Cytogenetics:	5q11.2
Protein Families:	Druggable Genome, Transmembrane
MW:	70.8 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 RC233021