

Product datasheet for **RG233021**

IL31RA (NM_001242639) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL31RA (NM_001242639) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IL31RA
Synonyms:	CRL; CRL3; GLM-R; GLMR; GPL; hGLM-R; IL-31RA; PLCA2; PRO21384; zcytoR17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG233021 representing NM_001242639
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACATACTGGAGATTAGAGAACATAGCGAAACTGAACCACCTAAGATTTTCCGTGTGAAACCAGTTT
 TGGGCATCAAACGAATGATTCAAATTGAATGGATAAAGCCTGAGTTGGCGCCTGTTTCATCTGATTTAAA
 ATACACACTTCGATTCAGGACAGTCAACAGTACCAGCTGGATGGAAGTCAACTTCGTAAGAACCCTAAG
 GATAAAAAACCAACGTACAACCTCACGGGGCTGCAGCCTTTTACAGAATATGTCATAGCTCTGCGATGTG
 CGGTCAAGGAGTCAAAGTTCTGGAGTACTGGAGCCAAGAAAAATGGGAATGACTGAGGAAGAAGCTCC
 ATGTGGCCTGGAAGTGTGGAGAGTCTGAAACCAGCTGAGGCGGATGGAAGAAGGCCAGTGCAGTTGTTA
 TGGAAGAAGGCAAGAGGAGCCCCAGTCTAGAGAAAACTTGGTACAACATATGGTACTATCCAGAAA
 GCAACACTAACCTCACAGAAACAATGAACACTACTAACAGCAGCTTGAAGTGCATCTGGGAGGCGAGAG
 CTTTTGGGTGTCTATGATTTCTATAATTCTCTGGGAAGTCTCCAGTGGCCACCCTGAGGATCCAGCT
 ATCAAGAAAAATCATTTCAAGTGCATTGAGGTCATGCAGGCTGCGTTGCTGAGGACCAGCTAGTGGTGA
 AGTGGCAAAGCTCTGCTCTAGACGTGAACACTGGATGATTGAATGGTTCCGGATGTGGACTCAGAGCC
 CACCACCTTTCTGGGAATCTGTGCTCAGGCCACGAAGTGGACGATCCAGCAAGATAAATTTAAACCT
 TTCTGGTGCTATAACATCTCTGTGATCCAATGTTGCATGACAAAGTTGGCGAGCCATATCCATCCAGG
 CTTATGCCAAAGAAGGCGTTCCATCAGAAGTCTGAGACCAAGTGGAGAACATTTGGCGTGAAGACGGT
 CACGATCATGGAAAGAGATCCCAAGAGTGAAGAAAGGATCATCTGCAACTACACCATCTTTTAC
 CAAGCTGAAGGTGAAAAGGATTCTCCAAGACAGTCAATCCAGCATCTGCAGTACGGCCTGGAGTCCC
 TGAACGAAAGACCTCTTACATTGTTCAAGTCAATGGCCAGCAGTGGTGGGGAACCAACGGGACCCAG
 CATAAATTTCAAGACATTGTCATTCAAGTGTCTTTGAGATTATCCATATAACTTCTCTGATTGGTGGAGGC
 CTTCTATTCTCATTATCCTGACAGTGGCATATGGTCTCAAAAAACCAACAAATGACTCATCTGTGTT
 GGCCACCCTTCCAACCTGCTGAAAGTAGTATAGCCACATGGCATGGAGATGATTTCAAGGATAAGCT
 AAACCTGAAGGAGTCTGATGACTCTGTGAACACAGAAGACAGGATCTTAAACCATGTTCCACCCCCAGT
 GACAAGTTGGTGATTGACAAGTTGGTGGTGAACCTTTGGGAATGTTCTGCAAGAAATTTTACAGATGAAG
 CCAGAACGGGTCAGGAAAACAATTTAGGAGGGGAAAAGAATGGGTATGTGACCTGCCCTCAGGCTGA
 TTGTCCCCTGGGAAAAGTTTGGAGAGTCCCAGTTTCACTGAGATTCGCCCCAGAAAATCCCAATAC
 CTACGTTGAGGATGCCAGAGGGGACCCGCCAGAACCAAGAGCAGCTTCTTTTTCTGGTCAAAGTT
 TAGTACCAGATCATCTGTGTGAGGAAGGAGCCCCAAATCCATATTTGAAAAATTCAGTGACGCCAGGGA
 ATTTCTGTGTCTGAAAAACTTCCAGAGCACACCAAGGGAGAAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG233021 representing NM_001242639
 Red=Cloning site Green=Tags(s)

MTYWRLNIAKTEPPKIFRVKPVLGIKRMIQIEWIKPELAPVSSDLKYTLRFRTVNSTSWMEVNF AKNRK
 DKNQTYNLTGLQPFTEYVIALRCAVKESKFWSWDSQEKMGMTTEEEAPCGLELWRVLPKPAEADGRRPVRL
 WKKARGAPVLEKTLGYNIWYYPESNTNL TETMNTNQQLELHLGGESFWVSMISYNSLGKSPVATLRIPA
 IQEKSFQCI EVMQACVAEDQLVVKWQSSALDVNTWMIWFDPDVEPTTLSWESVSQATNWTIQQDKLP
 FWCYNISVYPMPLHDKVGEPIYIQAAYAKEGVPESEGPETKVENIGVKTVTITWKEIPKSERKGIICNYTIFY
 QAEGGKGF SKTVNSSILQYGLESLKRKTSYIVQVMASTSAGGTNGTSINFKTLFSVFEIILITSLIGGG
 LLILILITVAYGLKKNLTHLCWPTVPNPAESSIATWHGDDFKDLNLKESDDSVNTEDRILKPCSTPS
 DKLVIDKLVVNFVNLQEIFTDEARTGQENNLGGEKNGYVTCPPRPDCLGKSFEELPVSPEIPPRKSQY
 LRSRMPEGTRPEAKEQLLFSGQSLVPDHLCEEGAPNPYLKNSVTAREFLVSEKLPHEHTKGEV

TRTRPLE - GFP Tag - V

Restriction Sites:

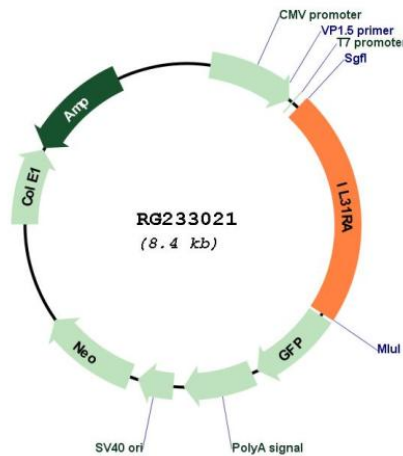
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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:	<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_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
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]