

Product datasheet for **SC318244**

IL31RA (NM_139017) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL31RA (NM_139017) Human Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >NCBI ORF sequence for NM_139017, the custom clone sequence may differ by one or more nucleotides

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ATGTGCATCAGGCAACTCAAGTTTTCCACACGGCATGTGTCTGTGAATGTCCGCAAACATTCTCTCTC
CCCAGCCTTCATGTGTTAACCTGGGGATGATGTGGACCTGGGCACTGTGGATGCTCCCCTACTCTGCAA
ATTCAGCCTGGCAGCTCTGCCAGCTAAGCCTGAGAACATTTCTGTGTCTACTACTATAGGAAAAATTTA
ACCTGCACCTGGAGTCCAGGAAAAGGAAAACCAGTTATACCCAGTACACAGTTAAGAGAACTTACGCTTTTG
GAGAAAAACATGATAATTGTACAACCAATAGTTCTACAAGTGAAAATCGTGCTTCGTGCTTTTTTCTCT
TCCAAGAATAACGATCCCAGATAATTATACCATTGAGGTGGAAGCTGAAAATGGAGATGGTGAATTAATA
TCTCATATGACATACTGGAGATTAGAGAACATAGCGAAAACCTGAACACCTAAGATTTTCCGTGTGAAAC
CAGTTTTGGGCATCAAACGAATGATTCAAATGAATGGATAAAGCCTGAGTTGGCGCTGTTTCATCTGA
TTTTAAATACACACTTCGATTCAGGACAGTCAACAGTACCAGCTGGATGGAAGTCAACTTCGCTAAGAAC
CGTAAGGATAAAAACCAAACGTACAACCTCACGGGGCTGCAGCCTTTTACAGAATATGTCATAGCTCTGC
GATGTGCGGTCAAGGAGTCAAAGTCTGGAGTACTGGAGCCAAGAAAAAATGGGAATGACTGAGGAAGA
AGCTCCATGTGGCTGGAACCTGTGGAGAGTCTGAAACCAAGCTGAGGCGGATGGAAGAAGGCCAGTGCGG
TTGTTATGGAAGAAGGCAAGAGGAGCCCAAGTCTAGAGAAAACACTTGGCTACAACATATGGTACTATC
CAGAAAGCAACTAACCTCACAGAAAACATGAACACTACTAACCAGCAGCTTGAACCTGCATCTGGGAGG
CGAGAGCTTTTGGGTGTCTATGATTTCTTATAATTCTCTTGGGAAGTCTCCAGTGGCCACCCTGAGGATT
CCAGCTATTCAAGAAAAATCATTTCAGTGCATTGAGGTGCATGCAGGCCTGCGTTGCTGAGGACCAGCTAG
TGGTGAAGTGGCAAGCTCTGCTCTAGACGTGAACACTTGGATGATTGAATGGTTCCGGATGTGGACTC
AGAGCCCACCCTTTCTGGGAATCTGTGTCTCAGGCCACGAAGTGGACGATCCAGCAAGATAAATTA
AAACCTTTCTGGTGTATAACATCTCTGTGTATCCAATGTTGCATGACAAAAGTTGGCGAGCCATATTCCA
TCCAGGCTTATGCCAAAAGAAGGCGTTCCATCAGAAGGTCCTGAGACCAAGGTGGAGAACATTGGCGTGAA
GACGGTACAGTACATGGAAGAGATTCCAAGAGTGAGAGAAAAGGATCATCTGCAACTACACCATC
TTTTACCAAGCTGAAGGTGGAAGGATTCTCCAAGACAGTCAATTCCAGCATCTTGCACTACGGCTGG
AGTCCCTGAAACGAAAGACCTCTTACATTGTTCCAGGTCATGGCCAGCACCAGTGTGGGGAAACCAACGG
GACCAGCATAAATTTCAAGACATTGTCATTTCAGTGTCTTTGAGATTATCCTCATAACTTCTCTGATTGGT
GGAGGCCCTTCTTATTCTCATTATCCTGACAGTGGCATAATGGTCTCAAAAAACCAACAAATTGACTCATC
TGTGTTGGCCACCGTTCCCAACCCTGCTGAAAGTAGTATAGCCACATGGCATGGAGATGATTTCAAGGA
TAAGCTAAACCTGAAGGAGTCTGATGACTCTGTGAACACAGAAGACAGGATCTTAAAACCATGTTCCACC
CCCAGTGACAAGTTGGTATTGACAAGTTGGTGGTGAACCTTTGGGAATGTTCTGCAAGAAATTTTCACAG
ATGAAGCCAGAACGGGTGAGAAAAAATTTAGGAGGGGAAAAGAAATGGGTATGTGACCTGCCCTTCAG
GCCTGATTGTCCCTGGGGAAAAGTTTTGAGGAGCTCCAGTTTTACCTGAGATTCGCCAGAAAATCC
CAATACCTACGTTTCGAGGATGCCAGAGGGGACCCGCCAGAAGCCAAAGAGCAGCTTCTTTTTCTGGTC
AAAGTTTAGTACCAGATCATCTGTGTGAGGAAGGAGCCCCAAATCCATATTTGAAAAATTCAGTGACAGC
CAGGGAATTTCTGTGTCTGAAAACCTCCAGAGCACACCAAGGGAGAAGTCTAA
    
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Restriction Sites: Please inquire

ACCN: NM_139017

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.

RefSeq: [NM_139017.4](#), [NP_620586.3](#)

RefSeq Size: 2393 bp

RefSeq ORF: 2295 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]

Transcript Variant: This variant (1) encodes the longest isoform (1).