

## Product datasheet for **SC336872**

### IL31RA (NM\_001297570) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | IL31RA (NM_001297570) 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)  |

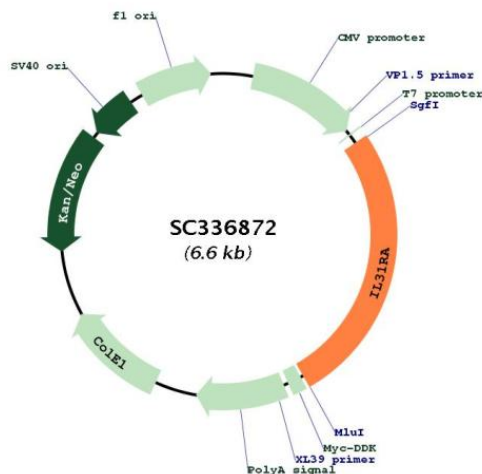


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**Fully Sequenced ORF:** >SC336872 representing NM\_001297570.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGCATCAGGCAACTCAAGTTTTCCACCACGGCATGTGTCTGTGAATGTCCGCAAACATTCTCTCT
CCCCAGCCTTCATGTGTTAACCTGGGGATGATGTGGACCTGGGCACTGTGGATGCTCCCCCACTCTGC
AAATTCAGCCTGGCAGCTCTGCCAGCTAAGCCTGAGAACATTTCTGTGTCTACTACTATAGGAAAAAT
TTAACCTGCACCTGGAGTCCAGGAAAGGAAACAGTTATACCCAGTACACAGTTAAGAGAACTTACGCT
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ATCCAGCAAGATAAATTAACCTTTCTGGTGTATAACATCTCTGTGTATCCAATGTTGCATGACAAA
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GAAGTGGAAAAAACCCCAAGCCCAGATAGATGCTATGGATAGACCTGTTGTAGGCATGGCTCCCCCA
TCTCATTGTGACTTGCAACCTGGCATGAATCACTTAGCTTCTTTAAATCTCTGAAAAATGGGGCCAAG
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AGGAAATGGAAGGAGTTGTTATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001297570

**Insert Size:** 1749 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_001297570.1](#)

**RefSeq Size:** 2423 bp

**RefSeq ORF:** 1749 bp

**Locus ID:** 133396

**UniProt ID:** [Q8NI17](#)

**Cytogenetics:** 5q11.2

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 66.6 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]

Transcript Variant: This variant (6) lacks several exons and its transcription extends past a splice site that is used in variant 1, resulting in a novel 3' coding region and 3' UTR, compared to variant 1. It encodes isoform 6 which is shorter and has a distinct C-terminus, compared to isoform 1.