

## Product datasheet for **SC303142**

### IL9R (NM\_002186) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IL9R (NM_002186) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL9R
Synonyms:	CD129; IL-9R
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\_002186, the custom clone sequence may differ by one or more nucleotides

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ATGGGACTGGGCAGATGCATCTGGGAAGGCTGGACCTTGAGAGTGAGGCCCTGAGGCGA
GACATGGGCACCTGGCTCCTGGCCTGCATCTGCATCTGCACCTGTGTCTGCTTGGGAGTC
TCTGTACAGGGGAAGGACAAGGGCCAAGGTCTAGAACCTTACCTGCCTCACCAACAAC
ATTCTCAGGATCGATTGCCACTGGTCTGCCCCAGAGCTGGGACAGGGCTCCAGCCCCTGG
CTCCTCTTACCAGCAACCAGGCTCCTGGCGGCACACATAAGTGCATCTTGCGGGGCAGT
GAGTGCACCGTCGTGCTGCCACCTGAGGCAGTGCCTCGTGCCATCTGACAATTTACCATC
ACTTTCACCACTGCATGTCTGGGAGGGAGCAGGTCAGCCTGGTGGACCCGGAGTACCTG
CCCCGGAGACACGTTAAGCTGGACCCGCCCTCTGACTTGACAGAGCAACATCAGTTCTGGC
CACTGCATCCTGACCTGGAGCATCAGTCCTGCCTTGGAGCCAATGACCACACTTCTCAGC
TATGAGCTGGCCTTCAAGAAGCAGGAAGAGGCCTGGGAGCAGGCCAGCACAGGGATCAC
ATTGTCGGGGTGACCTGGCTTATACTTGAAGCCTTTGAGCTGGACCCTGGCTTTATCCAT
GAGGCCAGGCTGCGTGTCCAGATGGCCACACTGGAGGATGATGTGGTAGAGGAGGAGCGT
TATACAGGCCAGTGGAGTGAAGTGGAGCCAGCCTGTGTCTTCCAGGCTCCCAGAGACAA
GGCCCTCTGATCCCACCTGGGGTGGCCAGGCAACACCTTGTGCTGTGTCCATCTTT
CTCCTGTGACTGGCCCGACCTACCTCCTGTTCAAGCTGTGCCCCAGGGTGAAGAGAATC
TTTACCAGAACGTGCCCTCTCCAGCGATGTTCTTCCAGCCCCTTACAGTGTACACAAT
GGGAACCTCCAGACTTGGATGGGGGCCACGGGGCCGGTGTGCTGTTGAGCCAGGACTGT
GCTGGCACCCACAGGGAGCCTTGGAGCCCTGCGTCCAGGAGGCCACTGCACTGCTCACT
TGTGGCCAGCGCGTCTTGGAAATCTGTGGCCCTGGAGGAGGAACAGGAGGGCCCTGGG
ACGAGCTCCCGGGAACCTGAGCTCAGAGGATGTGCTGCCAGCAGGGTGTACGGAGTGG
AGGGTACAGACGCTTGCCTATCTGCCACAGGAGACTGGGCCCCACGTCCTGACTAGG
CCGGTCCCCCAGACTCAGAGGGCAGCAGGAGCAGCAGCAGCAGCAGCAGCAGCAACAAC
AACAACTACTGTCCCTTGGGCTGCTATGGGGATGGCACCTCTCAGCCCTCCCAGGAAAC
ACACAGAGCTCTGGGCCATCCCAGCCCTGGCCTGTGGCCTTTCTGTGACCATCAGGGC
CTGGAGACCCAGCAAGGAGTTGCCTGGGTGCTGGTGGTCACTGCCAGAGGCCTGGGCTG
CATGAGGACCTCCAGGGCATGTTGCTCCCTTCTGTCTCAGCAAGGCTCGGTCTGGACA
TTCTAG
    
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**Restriction Sites:** Please inquire

**ACCN:** NM\_002186

**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](mailto: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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_002186.2</a></u> , <u><a href="#">NP_002177.2</a></u>
<b>RefSeq Size:</b>	2171 bp
<b>RefSeq ORF:</b>	1566 bp
<b>Locus ID:</b>	3581
<b>UniProt ID:</b>	<u><a href="#">Q01113</a></u>
<b>Cytogenetics:</b>	Xq28 and Yq12
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a cytokine receptor that specifically mediates the biological effects of interleukin 9 (IL9). The functional IL9 receptor complex requires this protein as well as the interleukin 2 receptor, gamma (IL2RG), a common gamma subunit shared by the receptors of many different cytokines. The ligand binding of this receptor leads to the activation of various JAK kinases and STAT proteins, which connect to different biologic responses. This gene is located at the pseudoautosomal regions of X and Y chromosomes. Genetic studies suggested an association of this gene with the development of asthma. Multiple pseudogenes on chromosome 9, 10, 16, and 18 have been described. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>