

Product datasheet for **SC124089**

IL4R (NM_000418) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL4R (NM_000418) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL4R
Synonyms:	CD124; IL-4RA; IL4RA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_000418 edited
ATGGGGTGGCTTTGCTCTGGGCTCCTGTTCCCTGTGAGCTGCCTGGTCTGCTGCAGGTG
GCAAGCTCTGGGAACATGAAGGTCTTGCAGGAGCCACCTGCGTCTCCGACTACATGAGC
ATCTCTACTTGGCAGTGGGAAGATGAATGGTCCCACCAATTGCAGCACCGAGCTCCGCCTG
TTGTACCAGCTGGTTTTTCTGCTCTCCGAAGCCACACGTGTATCCCTGAGAACAACGGA
GGCGCGGGGTGCGTGTGCCACCTGCTCATGGATGACGTGGTCAGTGCCGGATAACTATACA
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GTGAAACCCAGGGCCCCAGGAAACCTGACAGTTCACACCAATGTCTCCGACACTCTGCTG
CTGACCTGGAGCAACCCGTATCCCCCTGACAATTACCTGTATAATCATCTCACCTATGCA
GTCAACATTTGGAGTGAAAACGACCCGGCAGATTTCAGAATCTATAACGTGACCTACCTA
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GGGTTTGGGGCTAGCAGTGGGGAAGAGGGGTATAAGCCTTTCCAAGACCTCATTCTGGC
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AATGCTCAGAGCTCAAGCCAGACCCCCAAAATCGTGAACCTTGTCTCCGTGGGACCCACA
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5' Read Nucleotide Sequence: >OriGene 5' read for NM_000418 unedited
 ACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGCGGACGGCGAATGGAGCAGGGGC
 GCGCAGGTGCCCCACAGGCCTCCTCACCTCTTCTCGTTTGCTTAAGAAATCTGAGGTCT
 GCGCTAAAGCCAGCCTGGGTGCTGTAACCTCTCGGCCGAGGATGGTGCCAGCTGGGCTT
 GCATCTGGAGTTGGAGGAAATAATTAAGATTTACACACAGCTGGAAGAAATCATAGAGA
 AGCCGGGCGTGGTGGCTCATGCCTATAATCCCAGCACTTTTGGAGGCTGAGGCGGGCAGA
 TCACTTGAGATCAGGAGTTCGAGACCAGCCTGGTGCCTTGGCATCTCCCAATGGGGTGGC
 TTTGCTCTGGGCTCCTGTTCCCTGTGAGCTGCCTGGTCCCTGCTGCAGGTGGCAAGCTCTG
 GGAACATGAAGGTCTTGCAGGAGCCACCTGCGTCTCCGACTACATGAGCATCTCTACTT
 GCGAGTGAAGATGAATGGTCCCACCAATTGCAGCACCGAGCTCCGCCTGTTGTACCAGC
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 NGGCCNCAGAAACCTGACAGTTCACACCA

3' Read Nucleotide Sequence: >OriGene 3' read for NM_000418 unedited
 TCCACGGCCGGAGAGGCACTGGGGAGGGTCCACAGGGATGCCACCCGGGATCTGTTCAGG
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 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAAGAGACAAAGAACTTTTTTTTTTAC
 AAAACTCCACCCCTTTTGTCCACTTTTCTCAGCAAACACAGATTACGGGTGATGAAACT
 AAAACACACAGACGAGCTTTACTCAACCAAGGTTCCCGCCTTCCCTAGCACCTGAGGTC
 TGGGCCAACATGCAGGTAAGTGGGGCCTTATGCCTGCTGTCTGGATTGCCCGGCCACA
 GGGTGGCTGAGCATATTTATTCTGGGGTTCCATGCATACGAGGAGCCCCAGCCATACA
 GCTGGGCATGGGTGTTTGCAACAAATTGTCCTGCTTTAGTCACAACAATTTTTCATGT
 CCTCTGTTGCTCCCTTAACTGAACACCCTTGACAGCCGGGATTCTGCCTCCAGCATCA
 ACCTAAGGAAGCTCTGTTAAATGAATGAGCACCTTTAGGCAATGACCACCCTCCCTGAAG
 TTTAATTTCTCATCGATTTCCCAAGGCCGCCAAGTCATTCCCTTGATGGCTGGGTTAGT
 TTCTAGGCTCGGCTTCTAATTCAGTGAGACAGAGGCAGGTGGGCCTCCATGTGGGCCATG
 ATTTGGGGGCAACATGCCTTGGGCA

Restriction Sites: Please inquire

ACCN: NM_000418

Insert Size: 4600 bp

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 was found to represent an alternative form of the specific reference to which it is associated. Its Open Reading Frame (ORF) may represent a novel form or alternative splice variant. By virtue of it being a true transcript (cDNA clone not PCR product), it provides a biologically relevant copy of its mRNA template. For more details, please evaluate the sequence information provided on this website or contact our customer care specialists.
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_000418.2 , NP_000409.1
RefSeq Size:	3678 bp
RefSeq ORF:	2478 bp
Locus ID:	3566
UniProt ID:	P24394
Cytogenetics:	16p12.1
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway
Gene Summary:	<p>This gene encodes the alpha chain of the interleukin-4 receptor, a type I transmembrane protein that can bind interleukin 4 and interleukin 13 to regulate IgE production. The encoded protein also can bind interleukin 4 to promote differentiation of Th2 cells. A soluble form of the encoded protein can be produced by proteolysis of the membrane-bound protein, and this soluble form can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells. Allelic variations in this gene have been associated with atopy, a condition that can manifest itself as allergic rhinitis, sinusitis, asthma, or eczema. Polymorphisms in this gene are also associated with resistance to human immunodeficiency virus type-1 infection. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Apr 2012]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a).</p>