

## Product datasheet for **SC337153**

### IL4R (NM\_001257997) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IL4R (NM_001257997) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL4R
Synonyms:	CD124; IL-4RA; IL4RA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

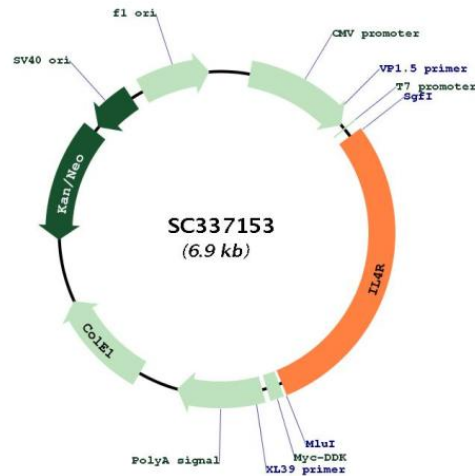


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Fully Sequenced ORF: >SC337153 representing NM\_001257997.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGTCAACATTTGGAGTAAAAACGACCCGGCAGATAATCTATAACGTGACCTACCTAGAACCCCTCC
CTCCGCATCGCAGCCAGCACCCCTGAAGTCTGGGATTTCTACAGGGCACGGGTGAGGGCCTGGGCTCAG
TGCTATAACACCACCTGGAGTGAGTGGAGCCCCAGCACCAAGTGGCACAACCTCTACAGGGAGCCCTTC
GAGCAGCACCTCTGCTGGGCGTCAGCGTTTCTGCATTGTCATCCTGGCCGTCTGCCTGTTGTGTAT
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CCGGTGGAGTGTGAGGAGGAGGAGGAGGTAGAGGAAGAAAAGGGAGCTTCTGTGCATCGCCTGAGAGC
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CTGCTCGGAGAGGAGAATGGGGGCTTTGCCAGCAGGACATGGGGGAGTATGCCTTCTCCACCTTCG
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TACTCAGCCCTTACCTGCCACCTGTGCGCCACCTGAAACAGTGTGATGGCCAGGAGGATGGTGCCAG
ACCCCTGTGATGGCCAGTCTTGTGTGGCTGCTGCTGTGGAGACAGTCTCGCCCCCTACAACCCCC
CTGAGGGCCCCAGACCCCTCTCCAGGTGGGTTCCACTGGAGGCCAGTCTGTGTCCGGCCTCCCTGGCA
CCCTCGGGCATCTCAGAGAAGAGTAAATCCTCATCATCTTCCATCCTGCCCTGGCAATGCTCAGAGC
TCAAGCCAGACCCCAAAATCGTGAACCTTTGTCTCCGTGGGACCCACATACATGAGGGTCTCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001257997

**Insert Size:** 1998 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\\_001257997.1](#)

**RefSeq Size:** 3589 bp

**RefSeq ORF:** 1998 bp

**Locus ID:** 3566

**Cytogenetics:** 16p12.1

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway

**MW:** 71.9 kDa

**Gene Summary:**

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]

Transcript Variant: This variant (5) differs in the 5' UTR, uses an alternate splice site in the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (d) has a distinct N-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.