

Product datasheet for **MC221751**

Il4ra (NM_001008700) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il4ra (NM_001008700) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Il4ra
Synonyms:	CD124; Il4r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221751 representing NM_001008700
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGCGGCTTTGCACCAAGTTCCTGACCTCTGTGGGCTGTCTGATTTTCTGTGGTACTGGATCTG
 GGAGCATCAAGGTCTGGGTGAGCCACCTGCTTCTCTGACTACATCCGCACTTCCACGTGTGAGTGGTT
 CCTGGATAGCGCTGTGGACTGCAGTTCTCAGCTCTGCCTACACTACAGGCTGATGTTCTTCGAGTCTCT
 GAAAACCTCACATGCATCCCAGGAACAGTGCCAGCACTGTGTGTGTGCCACATGAAATGAATAGGC
 CGGTCCAATCAGACAGATACCAGATGGAAGTGTGGGCTGAGCACAGACAGCTGTGGCAGGGCTCCTTCAG
 CCCAGTGGTAATGTGAAGCCCCAGCTCCAGACAACCTCACACTCCACACCAATGTGTCCGACGAATGG
 CTGCTGACCTGGAATAACCTGTACCCATCGAACAACCTACTGTACAAAGACCTCATCTCCATGGTCAACA
 TCTCCAGAGAGGACAACCCTGCAGAATTCATAGTCTATAATGTGACCTACAAGGAACCCAGGCTGAGCTT
 CCCGATCAACATCCTGATGTCAGGGGTCTACTATACGGCGCGTGTGAGGGTCCAGATCCAGATACTCACT
 GGCACCTGGAGTGTGAGTGCCTAGCATCACGTGGTACAACCACTTCCAGCTGCCCTGATACAGCGCC
 TTCCACTGGGGTCCACATCTCCTGCCTCTGCATCCCCTGTTTTGCCTGTTCTGTTACTTCAGCATTAC
 CAAGATTAAGAAGATATGGTGGGACCAGATTCCCACCCAGCAGCAGTCCCTTGGTGGCCATCATCATT
 CAGGATGCACAGGTGCCCTCTGGGATAAGCAGACCCGAAGCCAGGAGTCAACCAAGTACCCGCACTGGA
 AAATTGTCTAGACAAGTGTGCCTTGGCTGTGAAGCACAGAGTAAAGAAGAAGACAGACTTCCCGAA
 GGCTGCCCCAACCAAGTCTCTCCAGAGTCTGAAAGGCAGGCTGGTGTCCATGGAGGTGAGCAGGACC
 GTCCTCTGGCCAGAGAATGTTAGTGTAGTGTGGTGGCTGTATGGAGCTGTTTGGAGCCCCAGTACAGA
 ATGTGGAGGGAAGAAGATGAGATAGTCAAAGAGGACCTGAGCATGTACCTGAGAACAGCCGAGGCTG
 CGGCTTCCAGGAGAGCCAGGCAGACATCATGGCTCGGCTCACTGAGAACCCTGTTTTCCGACTTGTGGAG
 GCTGAGAATGGGGCCTTGGCCAGTCAAGCTTGGCAGAGTCAATGCTCCCTCTGCCTTCCAGAAAGTGGC
 AGGCTTCTGTATCCTGGGCTGCCTCCCATGGGGCCAGTGGAGGCCACATGCCAGGTGACAGAGCA
 GCCTTCCACACCCAGGCCCTTTTCAGGCAGCCAGCCAGAGTGCACCTACTCTGGCTTGCACGCAGGTC
 CCATTGTCTTGCAGACAATCTGCCTACCGGAGTTTTAGTACTGCTGTAGCCCGCCCCAAATCCTG
 GAGAGTGGCTCCAGAGCAGCAGGCTGATCATCTGGAAGAAGAGGAGCTCCAAGCCCGCTGACCC
 CCATTCTCAGGGCCACCAATGCAGCCAGTGGAGAGCTGGAGCAGATCCTTCCATGAGTGTCTGCAG
 CATGGGGCAGTGTGGCTCCACCCAGCCCTGCCGGTGGCTACCAGGAGTTTGTGAGGCAGTGAAGC
 AGGGTGGCGCCAGGATCCTGGGGTGCCTGGTGTGAGGCCTTCTGGAGACCCCGTTACAAGGCCTTCTC
 GAGCCTGCTCAGCAGCAATGGCATCCGCGGGGACACAGCAGCAGCGGGGACTGACGATGGGCATGGAGGC
 TACAAGCCCTTCCAGAATCCTGTTCTAACCAGTCCCCTAGCTCCGTGCCCTTATTTACTTTTCGGACTAG
 ACACGGAGCTGTACCCAGTCTCTGAAGTCAAGCCACCCAAAAGCCCCCAGAATGCCTTGGTCTGGA
 GCTGGGGCTCAAAGGAGGTGACTGGGTGAAGGCCCTCCTCTGCAGATCAGGTGCCCAAGCCCTTTGGG
 GATGACCTGGGCTTTGGTATTGTGACTCGTCCCTCACTTGCACCTTGTGTGGCCACCTGAAGCAACACC
 ACAGCCAGGAGGAAGGTGGCCAGAGCCCATCGTTGCTAGCCCTGGCTGTGGCTGCTGCTACGATGACAG
 ATCACCATCCCTGGGGAGCCTCTCGGGGGCCTTGGAAAGCTGTCTGAGGGAATACCACCAGAAGCCAAC
 CTCATGTCAGCACCCAAGACACCCTCAAACCTTGTGAGGGAGGGCAAGGGCCCTGGTCACTCTCCTGTTCC
 CCAGCCAGACGACCGAGGTGCCTGTGGGCGCCCTGGGCATTGCTGTTTCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001008700
Insert Size: 2433 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](#)

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_001008700.3](#), [NP_001008700.1](#)

RefSeq Size: 5122 bp

RefSeq ORF: 2433 bp

Locus ID: 16190

UniProt ID: [P16382](#)

Cytogenetics: 7 68.94 cM

Gene Summary: Receptor for both interleukin 4 and interleukin 13. Couples to the JAK1/2/3-STAT6 pathway. The IL4 response is involved in promoting Th2 differentiation. The IL4/IL13 responses are involved in regulating IgE production and, chemokine and mucus production at sites of allergic inflammation. In certain cell types, can signal through activation of insulin receptor substrates, IRS1/IRS2.[UniProtKB/Swiss-Prot Function]