

Product datasheet for **MR227371**

Il4ra (NM_001008700) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide
Sequence:

>MR227371 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCGGCTTTGCACCAAGTTCCTGACCTCTGTGGGCTGTCTGATTTTCTGTTGGTGACTGGATCTG
 GGAGCATCAAGGTCTGGGTGAGCCACCTGCTTCTGACTACATCCGCACTTCCACGTGTGAGTGGTT
 CCTGGATAGCGCTGTGGACTGCAGTTCTCAGCTCTGCCTACACTACAGGCTGATGTTCTTCGAGTCTCT
 GAAAACCTCACATGCATCCCAGGAACAGTGCCAGCACTGTGTGTGTGCCACATGAAATGAATAGGC
 CGGTCCAATCAGACAGATACCAGATGGAAGTGTGGGCTGAGCACAGACAGCTGTGGCAGGGCTCCTTCAG
 CCCAGTGGTAATGTGAAGCCCCAGCTCCAGACAACCTCACACTCCACACCAATGTGTCCGACGAATGG
 CTGCTGACCTGGAATAACCTGTACCCATCGAACAACTTACTGTACAAAGACCTCATCTCCATGGTCAACA
 TCTCCAGAGAGGACAACCCTGCAGAATTCATAGTCTATAATGTGACCTACAAGGAACCCAGGCTGAGCTT
 CCCGATCAACATCCTGATGTCAGGGGTCTACTATACGGCGCGTGTGAGGGTCCAGATCCAGATACTCACT
 GGCACCTGGAGTGAGTGGAGTCCAGCATCACGTGGTACAACCACTTCCAGCTGCCCTGATACAGCGCC
 TTCCACTGGGGTCCACATCTCCTGCCTCTGCATCCCCTGTTTTGCCTGTTCTGTTACTTCAGCATTAC
 CAAGATTAAGAAGATATGGTGGGACCAGATCCCACCCAGCAGCAGTCCCTGGTGGCCATCATCATT
 CAGGATGCACAGGTGCCCTCTGGGATAAGCAGACCCGAAGCCAGGAGTCAACCAAGTACCCGCACTGGA
 AAATTGTCTAGACAAGTGTGCCTTGGTGTGAAGCACAGAGTAAAGAAGAAGACAGACTTCCCGAA
 GGCTGCCCCAACCAAGTCTCCAGAGTCTGGAAAGCCAGGCTGGTGTCCATGGAGGTGAGCAGGACC
 GTCCTCTGGCCAGAGAATGTTAGTGTAGTGTGGTGGCTGATGGAGCTGTTTGGAGCCCCAGTACAGA
 ATGTGGAGGAGGAAGAAGATGAGATAGTCAAAGAGGACCTGAGCATGTCACCTGAGAACAGCCGAGGCTG
 CGGCTTCCAGGAGAGCCAGGCAGACATCATGGCTCGGCTCACTGAGAACCCTGTTTTCCGACTTGTGGAG
 GCTGAGAATGGGGCCTTGGCCAGTCAAGCTTGGCAGAGTCATGCTCCCTCTGCCTTCCAGAAAGTGGC
 AGGCTTCTGTATCCTGGGCTGCCTCCCATGGGGCCAGTGGAGAGCCACATGCCAGGTGACAGAGCA
 GCCTTACACCCAGGCCCTTTTCAGGCAGCCAGCCAGAGTGCACCTACTCTGGCTTGCACGCAGGTC
 CCATTGTCTTGCAGACAATCTGCCTACCGAGTTTTAGTACTGCTGTAGCCCGCCCCAAATCCTG
 GAGAGCTGGCTCCAGAGCAGCAGGCTGATCATCTGGAAGAAGAGGAGCTCCAAGCCCGCTGACCC
 CCATTCTCAGGGCCACCAATGCAGCCAGTGGAGAGCTGGGAGCAGATCCTTACATGAGTGTCTGCAG
 CATGGGGCAGCTGCTGGCTCCACCCAGCCCTGCCGGTGGCTACCAGGAGTTTGTGCAGGCAGTGAAGC
 AGGGTGCCGCCAGGATCCTGGGTGCCTGGTGTGAGGCTTCTGGAGACCCCGTTACAAGGCCTTCTC
 GAGCCTGCTCAGCAGCAATGGCATCCGCGGGGACACAGCAGCAGCGGGGACTGACGATGGGCATGGAGGC
 TACAAGCCCTTCCAGAATCCTGTTCTAACCAGTCCCCTAGCTCCGTGCCCTTATTTACTTTTCGGACTAG
 ACACGGAGCTGTACCCAGTCTCTGAAGTCAAGCCACCCAAAAGCCCCCAGAATGCCTTGGTCTGGA
 GCTGGGGCTCAAAGGAGGTGACTGGGTGAAGGCCCTCCTCCTGCAGATCAGGTGCCCAAGCCCTTTGGG
 GATGACCTGGGCTTTGGTATTGTGTACTCGTCCCTCACTTGCACCTTGTGTGGCCACCTGAAGCAACACC
 ACAGCCAGGAGGAAGGTGGCCAGAGCCCATCGTTGCTAGCCCTGGCTGTGGCTGCTGCTACGATGACAG
 ATCACCATCCCTGGGGAGCCTCTCGGGGGCCTTGAAAGCTGTCTGAGGGAATACCACCAGAAGCCAAC
 CTATGTGAGCAGCAACCAAGACACCCTCAAACCTTGTGAGGGGAGGGCAAGGGCCCTGGTCACTCTCCTGTT
 CCAGCCAGACGACCGAGGTGCCTGTGGCGCCCTGGGCATTGCTGTTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227371 protein sequence

Red=Cloning site Green=Tags(s)

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MGR LCTKFLT SVGCL ILLLVTGSGS I KVLGEPTCFSDYIRTSTCEWFLDSAVDCSSQLCLHYRLMFFEFS
ENLTCIPRNSASTVCVCHMEMNRPVQSDRYQ MELWAEHRQLWQGSFSPSGNVKPLAPDNLTLHTNVSDEW
LLTWNLLYPSNNLLYKDLISMVNISREDNPAEFIVYNVYKEPRLSFPINILMSGVYYTARVVRVRSQILT
GTWSEWSPSITWYNHFQLPLIQRLPLGVTISCLCIPLFCLFCYFSITKIKKIWWDQIPTPARSPLVAIII
QDAQVPLWDKQTRSQESTKYPHWKTCLDKLLPCLLKHRVKKKTD FPKAAPTKSLQSPGKAGWCPMEVSRT
VLWPENVSVS VVRCMELFEAPVQNV EEEEEDEIVKEDLSMSPENSGGCGFQESQADIMARLTENLFSDLLE
AENGGLGQSALAE SCSPLPSGSGQASVSWACLPMGPSEEATCQVTEQPSHPGPLSGSPAQSAPT LACTQV
PLVLADNPAYRSFSDCCSPAPNPGELAPEQQQADHLEEE EPPSPADPHSSGPPMQPVESWEQILHMSVLQ
HGAAAGSTPAPAGGYQEFVQAVKQGA AQDPGVGVRPSGDPGYKAFSSLLSSNGIRGDTAAAGTDDGHGG
YKPFQNPVNPQSPSSVPLFTFGLDTELSPSPLNSDPPKSPPECLGELGLKGGDWVKAPPPADQVPKPF
DDLGFGIYSSLTCHLCGHLKQHHSQE EGGQSPIVASPGCGCCYDDRSPSLGSLSGALESCEGIPPEAN
LMSAPKTPSNLSGEGKGP GHSPVPSQTTEVPV GALGIAVS
    
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:

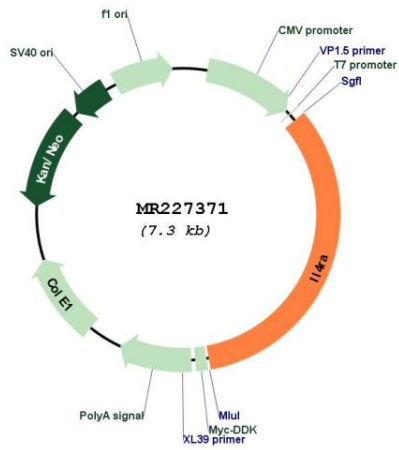


* The last codon before the Stop codon of the ORF

ACCN: NM_001008700
 ORF 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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001008700.4
RefSeq Size:	5122 bp
RefSeq ORF:	2433 bp
Locus ID:	16190
UniProt ID:	P16382
Cytogenetics:	7 68.94 cM
MW:	87.6 kDa
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]

Product images:



Circular map for MR227371