

Product datasheet for **MC219900**

Il4i1 (NM_010215) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il4i1 (NM_010215) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Il4i1
Synonyms:	Fig1; Fig1-ps; LAAO; LAO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219900 representing NM_010215
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGGGCTGGCCCTGCGTCTTGTCTGGCGGCCACCCTCCTTGGTCTGGCAGGCTCTCTGGACTGGA
 AGGCAGCCTCCAGCTTGAACCCTATTGAGAAGTGTATGGAGGACCACGATTATGAGCAGCTACTCAAGGT
 GGTGACCTTGGGCCTCAATCGGACTTCAAGCCCCAGAAGGTGGTAGTGGTTGGTGCAGGCGTGGCAGGG
 CTGGTAGCAGCCAAGATGCTCAGTGATGCAGGACACAAGGTCACCATCCTGGAGGAGATAACAGGATTG
 GGGGCCGTATCTTCACTTCCGGGATGAGAAGACAGGCTGGATAGGGGAGCTTGGGGCCATGCGAATGCC
 CAGCTCTCACAGGATCTGCACAAGCTCTGCAGGACCCTGGCCCTCAACCTGACTCAGTTCACACAGTAT
 GATGAGAACACGTGGACGGAGGTGCATAATGTGAAGCTGCGAAATATGTGGTGGAGAAGATGCCAGAAA
 AGCTGGGTACAACCTGAACAACAGGAAAGGGGCCATCCCCAGAGGACATCTACCAGATGGCACTCAA
 CAAGGCCCTCAAAGACCTCAAGGCCCTGGGCTGCAAGAAAGCCATGAATAAGTTCAACAAGCATAACGCTT
 CTGGAATACCTCCTCGAGGAGGGCAACCTGTCCGGCCGGCTGTGCAGCTCCTGGGAGATGTGATGTCCG
 AGGAGGGCTTCTTCTACCTCAGCTTTCAGAAAGCCTTACGTGCGCACGCCTGCCTGAGCGATAGACTCCG
 GTACAGCCGCATCGTAGGTGGCTGGGACCTGCTCCGCGAGCTCTGCTGAGCTCACTGTCCGGGGCGCTG
 CTACTGAACGCGCCTGTGGTGTGATCACTCAGGGGAGGAACGATGTGCGCGTGCACATTGCCACCTCGC
 TTCACAGCGAGAAGCGTGCACGCCGACGTGGTGTGCTGACTGCCAGTGGACCCGCGTGCAGCGCAT
 TACCTTCTCGCCGCCCTTGACTCGAAGAGGCAGGAGGCACTGCGCGCGCTTCACTACGTAGCAGCCAGC
 AAGGTTTTTCTGAGTTCCGTCGGCCCTTCTGGCACGAGGAGCACATCGAGGGCGGCCACTCCAACACTG
 ACCGCCATCGCGCCTCATATTCTATCCCGCGCAGGGCGAGGGCTCACTGCTTCTGGCCTCTACACGCTG
 GTCGGACGCTGCAGCCCCCTTCGCTGGACTGAGCACCGACCAGACCCTGGGTTTGGTGTCCAGGACGTG
 GCGGCCCTGCACGGCCCTGTGGTGTCCGGCTGTGGGACGGCAGGGGTGTGGTCAAGCGCTGGGAGAGG
 ACCCGCATAGCCAGGGAGGCTTCGTGGTGCAGCCGCCATTGTACGGGCGGAGGCTGAGGACTATGACTG
 GTCAGCCCCCTTCGGCCGCACTTACTTCGCGGGCAGCACACAGCTCTCCCGCATGGCTGGGTAGAGACC
 GCTGTCAAGTCCGGTTGCGGGCCGCGGTGAGAATCAATAATAACTATGGGTACGGGAGGTCGACCCCC
 AGATGATGGAGCATGCATATGCAGAGGCCAATCTGGACCAGTATCCTGAAGGGGAGAGGCCCGAGGA
 GCAGCAGGCGCGGAAGAAGTCAGCCAGATGAACAGGAGCCCTCTCACAACACTTGTGGTGGAAACG
 AGCCCCGAGGGGAGCAACACGCTTTGTGGAGGCCATCCCCAGCTGCAGGGACACGTGTTCTGTGGAGA
 CTGTCCCCCAGGAGAAGGGGCACGCCACCAGAATATATATCCTTCGGAGCATGTACAGGTGCATGGGGA
 AGTCATCCCTGAGTGGCATGGTCATGGGGATCTGGCACCCCGCAATGCACCGAGTGGGGGACCACTCC
 TAA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2050_a07.zip

Restriction Sites: SgfI-RsrII

ACCN: NM_010215

Insert Size: 1893 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_010215.3](#), [NP_034345.2](#)

RefSeq Size: 2059 bp

RefSeq ORF: 1893 bp

Locus ID: 14204

UniProt ID: [O09046](#)

Cytogenetics: 7 28.93 cM

Gene Summary: Lysosomal L-amino-acid oxidase with highest specific activity with phenylalanine. May play a role in lysosomal antigen processing and presentation.[UniProtKB/Swiss-Prot Function]