

Product datasheet for **MC219163**

Il1r1 (NM_008362) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il1r1 (NM_008362) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Il1r1
Synonyms:	CD121a; CD121b; IL-1R1; IL-iR; Il1r-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC219163 representing NM_008362
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGAATATGAAAGTCTACTGGGGCTCATTTGTCTCATGGTGCCTCTGCTGTCGCTGGAGATTGACG
TATGTACAGAATATCCAATCAGATCGTTTTGTTTTATCTGTAATGAAATTGATATTCGCAAGTGTC
TCTTACTCCAATAAAATGCACGGCGACACCATAATTTGGTACAAGAATGACAGCAAGACCCCATATCA
GCGGACCGGGACTCCAGGATTCATCAGCAGAATGAACATCTTTGGTTGTACCTGCCAAGGTGGAGGACT
CAGGATATTACTATTGTATAGTAAGAACTCAACTTACTGCCTCAAACTAAAGTAACCGTAACCTGTGT
AGAGAATGACCTGGCTTGTGTACAGCACACAGGCCACCTCCACAGCGGCTCCACATTGCCGGGAT
GGAAGTCTGTGTGCCCTTATGTGAGTTATTTAAAGATGAAAATAATGAGTTACCCGAGGTCCAGTGGT
ATAAGAACTGAAACCTCTGCTTCTTGACAACGTGAGCTTCTTCGGAGTAAAAGATAAAGTGTGGTGAG
GAATGTGGCTGAAGAGCACAGAGGGGACTATATGCCGTATGCCTATACGTTCCGGGGGAAGCAATAT
CCGGTCACACGAGTAATACAATTTATCACAATAGATGAAAACAAGAGGGACAGACCTGTTATCCTGAGCC
CTCGGAATGAGACGATCGAAGCTGACCCAGGATCAATGATACAACCTGATCTGCAACGTCACGGGCCAGT
CTCAGACCTTGTCTACTGGAAGTGGAAATGGATCAGAAATTGAATGGAATGATCCATTTCTAGCTGAAGAC
TATCAATTTGGGAACATCCTTCAACAAAAGAAAATACACACTCATTACAACACTTAACATTTCAGAAG
TAAAAGCCAGTTTTATCGCTATCCGTTTATCTGTGTTGTTAAGAACACAAAATTTTTGAGTCGGCGCA
TGTGCAGTAAATATACCCAGTCCCTGACTTCAAGAATTACCTCATCGGGGCTTTATCATCCTCACGGCT
ACAATTTGATGCTGTGTGCATCTATAAAGTCTTCAAGGTTGACATAGTCTTTGGTACAGGGACTCCT
GCTCTGGTTTTCTCCTCAAAGCTTTCAGATGGAAAGACATACGATGCCTATATTTTATCCCAAGAC
CCTGGGAGAGGGTCCTTCTCAGACTTAGATACTTTTGTTTTTAACTGTTGCCTGAGGTCTTGGAGGGA
CAGTTTGGATACAAGCTGTTTATTTATGGAAGGGATGACTATGTTGGAGAAGATACCATCGAGGTTACTA
ATGAAAATGTAAGAAAAGCAGGAGGCTGATTATCATTCTAGTGAGAGATATGGGAGGCTTCAGCTGGCT
GGGCCAGTCATCTGAAGAGCAAATAGCCATATACAATGCTCTCATCCAGGAAGGAATAAAATCGTCCTG
CTTGAGTTGGAGAAAATCCAAGACTATGAGAAAATGCCAGATTCTATTGAGTTCATTAAGCAGAAACACG
GAGTCATTTGCTGGTCAGGAGACTTTCAAGAAAGACCACAGTCTGCAAGACCAGGTTCTGGAAAACTT
AAGATACCAGATGCCAGCCCAACGGAGATCACCATTGTCTAAACACCGCTTACTAACCTGGATCCTGTG
CGGGACACTAAGGAGAACTGCCGCGCAGCAACACACTTACCCTCGGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_008362
Insert Size: 1731 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_008362.2](#), [NP_032388.1](#)

RefSeq Size: 4739 bp

RefSeq ORF: 1731 bp

Locus ID: 16177

UniProt ID: [P13504](#)

Cytogenetics: 1 18.81 cM

Gene Summary: Receptor for IL1A, IL1B and IL1RN. After binding to interleukin-1 associates with the coreceptor IL1RAP to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B, MAPK and other pathways. Signaling involves the recruitment of adapter molecules such as TOLLIP, MYD88, and IRAK1 or IRAK2 via the respective TIR domains of the receptor/coreceptor subunits. Binds ligands with comparable affinity and binding of antagonist IL1RN prevents association with IL1RAP to form a signaling complex. Involved in IL1B-mediated costimulation of IFNG production from T-helper 1 (Th1) cells (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and it encodes the longer protein (isoform 1). Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.