

Product datasheet for **MC219161**

Il10ra (NM_008348) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il10ra (NM_008348) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Il10ra
Synonyms:	AW553859; CDw210; CDw210a; IL-10R1; IL-10RA; Il10r; mL-10R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219161 representing NM_008348
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGTCGCGTTTGTCTCCATTCTCGTCACGATCTCCAGCCTGAGCCTAGAATTCATTGCATACGGGA
 CAGAACTGCCAAGCCCTTCTATGTGTGGTTTGAAGCCAGATTTTCCAGCACATCTCCACTGGAACC
 TATCCCAAACAGTCTGAGAGCACCTACTATGAAGTGGCCCTCAAACAGTACGAAAACCTCAACCTGGAAT
 GACATCCATATCTGTAGAAAAGGCTCAGGCATTGTCTGTGATCTCACAACGTTCCACCCTGGATCTGTATC
 ACCGAAGCTATGGCTACCGGGCCAGAGTCCGGGCAGTGGACAACAGTCAGTACTCCAACCTGGACCACCAC
 TGAGACTCGTTCACAGTGGATGAAGTGATTCTGACAGTGGATAGCGTGACTCTGAAAGCAATGGACGGC
 ATCATCTATGGGACAATCCATCCCCCAGGCCACGATAACCCCTGCAGGGGATGAGTACGAACAAGTCT
 TCAAGGATCTCCGAGTTACAAGATTTCCATCCGGAAGTTCTCAGAACTAAAGAATGCAACCAAGAGAGT
 GAAACAGGAAACCTTACCCTCACGGTCCCATAGGGGTGAGAAAGTTTTGTGTCAAGGTCTGCCCCGC
 TTGGAATCCCGAATTAACAAGGCAGAGTGGTCCGAGGAGCAGTGTACTTATCACGACGGAGCAGTATT
 TCACTGTGACCAACCTGAGCATCTTAGTCATATCTATGCTGCTATTCTGTGGAATCCTGGTCTGTCTGGT
 TCTCCAGTGGTACATCCGGCACCCGGGAAGTTGCCTACAGTCTGGTCTTCAAGAAGCCTCACGACTTC
 TTCCCAGCCAACCTCTCTGCCAGAACTCCCGATGCCATTCACATCGTGGACCTGGAGGTTTTCCCAA
 AGGTGTCACTAGAGCTGAGAGACTCAGTCTGCATGGCAGCACCGACAGTGGCTTTGGCAGTGGTAAACC
 ATCACTTCAGACTGAAGAGTCCCAATTCCTCCTCCCTGGCTCCCACCCAGATACAGGGGACTCTGGGA
 AAAGAAGAGTCTCCAGGGCTACAGGCCACCTGTGGGACAACACGACAGTGGGATCTGCCTGCAGGAGC
 CCGGCTTACACTCCAGCATGGGGCCCGCTGGAAGCAGCAGCTTGATATACCCATCAGGACAGGATGA
 CAGTGACGTTAACTAGTCCAGAACTCTCCAGGGCAGCCTAAGTACACACAGGATGCATCTGCCTTGGGC
 CATGTCTGTCTCCTAGAACCTAAAGCCCTGAGGAGAAAGACCAAGTCATGGTGACATTCAGGGCTACC
 AGAAACAGACCAGATGGAAGGCAGAGGCAGCAGGCCAGCAGAATGCTTGGACGAAGAGATTCCCTTGAC
 AGATGCCTTTGATCCTGAACTTGGGGTACACCTGCAGGATGATTTGGCTTGGCCTCCACCAGCTCTGGCC
 GCAGGTTATTTGAAACAGGAGTCTCAAGGGATGGCTTCTGCTCCACCAGGGACACCAAGTAGACAGTGGGA
 ATCAACTGACCGAAGAGTGGTCACTCCTGGGTGTGGTTAGCTGTGAAGATCTAAGCATAGAAAGTTGGAG
 GTTTGCCATAAACTTGACCCTCTGGACTGTGGGGCAGCCCTGGTGGCCTCTGGATAGCCTTGGCTCT
 AACCTGGTCACCCTGCCGTTGATCTCCAGCCTGCAGGTAGAAGAATGA

ACGGCTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1546_a04.zip

Restriction Sites: SgfI-MluI

ACCN: NM_008348

Insert Size: 1728 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_008348.2](#), [NP_032374.1](#)

RefSeq Size: 3493 bp

RefSeq ORF: 1728 bp

Locus ID: 16154

UniProt ID: [Q61727](#)

Cytogenetics: 9 24.84 cM

Gene Summary: Cell surface receptor for the cytokine IL10 that participates in IL10-mediated anti-inflammatory functions, limiting excessive tissue disruption caused by inflammation. Upon binding to IL10, induces a conformational change in IL10RB, allowing IL10RB to bind IL10 as well. In turn, the heterotetrameric assembly complex, composed of two subunits of IL10RA and IL10RB, activates the kinases JAK1 and TYK2 that are constitutively associated with IL10RA and IL10RB respectively. These kinases then phosphorylate specific tyrosine residues in the intracellular domain in IL10RA leading to the recruitment and subsequent phosphorylation of STAT3 (PubMed:8910398). Once phosphorylated, STAT3 homodimerizes, translocates to the nucleus and activates the expression of anti-inflammatory genes. In addition, IL10RA-mediated activation of STAT3 inhibits starvation-induced autophagy (By similarity).
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (1).