

Product datasheet for **MC220198**

Il23r (NM_144548) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il23r (NM_144548) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Il23r
Synonyms:	IL-23R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC220198 representing NM_144548
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAAAGAGAGAGAAAATGAGAGGCTTCTACTACATTTGGACATGAGTCACCTCACACTTCAGCTGC
 ATGTGGTGATAGCCCTTTATGTGCTCTTCAGATGGTGTCACGGAGGAATCACAAGTATAAACTGCTCTGG
 TGACATGTGGGTTGAGCCTGGTGAATTTTTAGATGGGCATGAATGTTTCTATATATTGCCAAGAAGCC
 CTTAAGCACTGCCGACCAAGGAATCTTTACTTTTATAAAAATGGCTTCAAAGAAGAATTTGATATCACAA
 GGATTAATAGAACAACAGCTCGGATTTGGTATAAAGGCTTTTCGGAACCTCATGCCTATATGCATTGCAC
 TGCTGAATGTCTGGTCAATTTCAAGAGACACTGATTTGTGGAAAGACATTTCTCTGGACATCCACCG
 GATGCCCCAGCAATCTGACATGTGTCAATTTAATAACTCAGGCAACATGACATGCACCTGGAACACTG
 GGAAGCCTACCTACATAGATACCAAGTATATTGTGCATGTGAAGAGTTTGGAGACAGAAGAACAACA
 ATATCTTGCCCTCAAGCTATGTTAAGATCTCCACTGACTCACTGCAAGGCAGCAGGAAGTATTTGGTATGG
 GTCGAAGCTGTCAATTCCTAGGCATGGAGAACTCACAACAACACTACACGTCCATCTGGATGATATAGTGA
 TACCTTCTGCGTCCATCATTTCAGGGCTGAGACTACAAAACGATACTGTACCCAAGACCATAGTTTACTG
 GAAAAGCAAACTATGATTGAGAAAAGTATTCTGTGAGATGAGATACAAAACAACAACAAACCAACGTTGG
 AGTGTTAAAGAATTTGACGCCAATTTACATATGTACAGCAGTCAGAATTTCTACCTGGAGCCAGACAGCA
 AGTATGTATTTCAAGTGCAGTGTCAAGAAAAGTGGTAAAAGAAAAGTGGCAGCCTTGGAGTTCCCCCTTTGT
 CCACAAAACCTCCCAAGAAAAGTGGTAAAAGAAAAGTGGCAGCCTTGGAGTTCCCCCTTTGTCCACAAAAC
 TCCAGACAGTTTCCAGGTTACAGCAAAATCATCCACGAACCTCAGAAGATGGAGATGCTCAGTGCTA
 CAATCTCAGAGGACATCTGCTCAGGTAATCATCAAGACATTGGACTTTTGTGGGAATGGTCTTCTT
 GGCCATCATGTTGCCGATTTTTTCTCTGATTGGGATATTTAACAGATCACTTCGAATAGGAATTAAGA
 AAAGTTTTACTGATGATCCCAAAGTGGCTTTATGAAGATATTCCTAATATGGAAAATAGCAATGTTGCAA
 AATTATTACAGGAAAAAGTGTATTTGAGAATGATAATGCCAGTGAGCAGGCCCTGTATGTGGATCCTGT
 CCTTACAGAGATAAGTGAATCTCTCCCTGGAACACAAACCCACAGATTACAAAGAAGAAAGGCTCACA
 GGACTCCTTGAGACAAGAGACTGCTCTAGGAATGTTGTCTACCAGTTCTTCTGTTGTGTATATCCTG
 ACCTCAACACTGGATACAAACCCAGGTTTCAATGTTCTCTGGAGGAAACCTTTTCATTAACAGAGA
 TAAAAGAGACCCTACATCCCTTGAGACCACAGATGACCACTTTGCCAGATTGAAAACATATCCCACTTC
 CAATTTCTGCTTCAAGTATGGCTTTACTAAACAAAACACTAATCTTGATGAATTTGTGCCTCGTTTTAA
 ATCAAGGAGAATTCATTTCTTTCGACATAAAAACTCAAGACAGGAGAAACCAGCATCGTTTTGCAAAG
 TGACTACCCAGTGAAACTATCCAGCGCAGACTCTGTTGTCTGATGAATTTGTCTCCTGTTTGGCAATT
 GGGAAATGAAGACTTGCCATCTATTAATCTTACTTTCCACAGAACGTTTTGGAAAGCCATTTTCAGTAGAA
 TTTCACTTTCAAAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2107_e09.zip

Restriction Sites: SgfI-MluI

ACCN: NM_144548

Insert Size: 1980 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_144548.1](#), [NP_653131.2](#)

RefSeq Size: 2488 bp

RefSeq ORF: 1980 bp

Locus ID: 209590

UniProt ID: [Q8K4B4](#)

Cytogenetics: 6 C1

Gene Summary: Associates with IL12RB1 to form the interleukin-23 receptor. Binds IL23 and mediates T-cells, NK cells and possibly certain macrophage/myeloid cells stimulation probably through activation of the Jak-Stat signaling cascade. IL23 functions in innate and adaptive immunity and may participate in acute response to infection in peripheral tissues. IL23 may be responsible for autoimmune inflammatory diseases and be important for tumorigenesis (By similarity).[UniProtKB/Swiss-Prot Function]