

## Product datasheet for **MC216117**

### **Il6ra (NM\_010559) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Il6ra (NM_010559) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Il6ra
Synonyms:	CD126; IL-6R; IL-6R-alpha; IL-6RA; Il6r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC216117 representing NM\_010559  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGACCGTCCGGCTGCACGCTGTTGGTGCCTGCTGGCCGCGCCCGGGTCCGCTGGTCTCGGGA  
 GCTGCCGCGCGCTGGAGGTGGCAAATGGCACAGTGACAAGCCTGCCAGGGGCCACCGTTACCTGATTTG  
 CCCCAGGAAAGGAAGCAGCAGGCAATGTTACCATTCACTGGGTGTAATCTGGCTCACAAAACAGAGATGG  
 ACTACCACAGGAAACACTGGTCTGAGGGACGTGCAGCTCAGCGACTGGGGACTATTTATGCTCCC  
 TGAATGATCACCTGGTGGGACTGTGCCCTTGTGGTGGATGTTCCCCAGAGGAGCCCAAGCTCTCCTG  
 CTTCCGGAAGAACCCCTTGTCAACGCCATCTGTGAGTGGCGTCCGAGCAGACCCCTCTCAACCACG  
 AAGGCTGTGCTTTGCAAAGAAAATCAACACCACCAACGGGAAGAGTGACTTCCAGGTGCCCTGTCAGT  
 ATTCTCAGCAGTGAAAAGCTTCTCCTGCCAGGTGGAGATCCTGGAGGGTACAAAATATACCACATAGT  
 GTCAGTGTGCGTTGCAAACAGTGTGGGAAGCAAGTCCAGCCACAACGAAGCGTTTACAGCTTAAAAATG  
 GTGCAGCCGGATCCACCTGCCAACCTTGTGGTATCAGCCATACCTGGAAGGCCGCTGGCTCAAAGTCA  
 GCTGGCAGCACCCCTGAGACCTGGGACCCGAGTTACTACTTGTGTCAGTTCAGCTTCGATACCGACCTGT  
 ATGGTCAAAGGAGTTCACGGTGTGCTGCTCCCGTGGCCAGTACCAATGCGTCATCCATGATGCCTTG  
 CGAGGAGTGAAGCACGTGGTCCAGGTCCGTGGGAAGGAGGAGCTTGACCTTGGCCAGTGGAGCGAATGGT  
 CCCCAGAGGTACGGGCACTCCTTGGATAGCAGAGCCAGGACCACCCCGGCAAGTCCCTGGAACCC  
 CACACAGTCTCTGTTGAAGACTCTGCCAACACGAGGATCAGTACGAAAGTTCTACAGAAGCAACGAGT  
 GTCCTCGCCCCAGTGAAGAATCCTCGTCCATGTCCCTGCCACATTCTGGTAGCTGGAGGAAGCTTGG  
 CGTTTGGGTTGCTTCTGTGCTTTCATCATCCTGAGACTCAAGCAGAAAATGGAAGTCAGAGGCTGAGAA  
 GGAAAGCAAGACGACCTCTCCTCACCCCAACCGTATTCTTGGGCCACTGAAGCCGACCTTCTCTCTG  
 GTTCTCTCCTCACCCACACAGCTCTGGGTCTGACAATACCGTAAACCACAGCTGCCTGGGTGTCAGGG  
 ACGCACAGAGCCCTTATGACAACAGCAACAGAGACTACTATTCCCAGAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_010559

**Insert Size:** 1383 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](mailto: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\\_010559.3](#), [NP\\_034689.2](#)

**RefSeq Size:** 3343 bp

**RefSeq ORF:** 1383 bp

**Locus ID:** 16194

**UniProt ID:** [P22272](#)

**Cytogenetics:** 3 39.19 cM

**Gene Summary:** Part of the receptor for interleukin 6. Binds to IL6 with low affinity, but does not transduce a signal. Signal activation necessitate an association with IL6ST. Activation may lead to the regulation of the immune response, acute-phase reactions and hematopoiesis.  
[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).