

Product datasheet for **MR222583**

Il6ra (NM_010559) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il6ra (NM_010559) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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)



[View online »](#)

ORF Nucleotide Sequence:

>MR222583 representing NM_010559
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGACCGTCCGGCTGCACGCTGTTGGTGCACCCTGCTGGCCGCGCCCGGGTCCGCTGGTCTCGGGA
 GCTGCCGCGCGCTGGAGGTGGCAAATGGCACAGTGACAAGCCTGCCAGGGGCCACCGTTACCTGATTTG
 CCCCAGGGAAGGAAGCAGCAGGCAATGTTACCATTCACTGGGTGTAATCTGGCTCACAAAAACAGAGATGG
 ACTACCACAGGAAACACACTGGTTCTGAGGGACGTGCAGCTCAGCGACTGGGGACTATTTATGCTCCC
 TGAATGATCACCTGGTGGGACTGTGCCCTTGTGGTGGATGTTCCCCAGAGGAGCCCAAGCTCTCCTG
 CTTCCGGAAGAACCCCTTGTCAACGCCATCTGTGAGTGGCGTCCGAGCAGCACCCCTCTCAACCACG
 AAGGCTGTGCTGTTTCAAAGAAAATCAACACCACCAACGGGAAGAGTGACTTCCAGGTGCCCTGTCAGT
 ATTCTCAGCAGCTGAAAAGCTTCTCCTGCCAGGTGGAGATCCTGGAGGGTGACAAAGTATACCACATAGT
 GTCAGTGTGCGTTGCAAACAGTGTGGGAAGCAAGTCCAGCCACAACGAAGCGTTTACAGCTTAAAAATG
 GTGCAGCCGGATCCACCTGCCAACCTTGTGGTATCAGCCATACCTGGAAGGCCCGCTGGCTCAAAGTCA
 GCTGGCAGCACCCCTGAGACCTGGGACCCGAGTTACTACTTGTGTCAGTTCAGCTTCGATACCGACCTGT
 ATGGTCAAAGGAGTTCACGGTGTGCTGCTCCCGTGGCCAGTACCAATGCGTCATCCATGATGCCTTG
 CGAGGAGTGAAGCACGTGGTCCAGTCCGTGGGAAGGAGGAGCTTGACCTTGGCCAGTGGAGCGAATGGT
 CCCCAGAGGTACGGGCACTCCTTGGATAGCAGAGCCAGGACCACCCCGCAGGAATCCTCTGGAACCC
 CACACAGGTCTCTGTTGAAGACTCTGCCAACACGAGGATCAGTACGAAAGTTCTACAGAAGCAACGAGT
 GTCCTCGCCCCAGTGAAGAATCCTCGTCCATGTCCTGCCACATTCTGGTAGCTGGAGGAAGCTTGG
 CGTTTGGGTTGCTTCTGTGTCTTATCATCTCAGACTCAAGCAGAAAATGGAAGTCAGAGGCTGAGAA
 GGAAAGCAAGACGACCTCTCCTCACCCCCACCGTATTCTTGGGCCACTGAAGCCGACCTTCTTCTG
 GTTCTCTCCTCACCCACACAGCTCTGGGTCTGACAATACCGTAAACCACAGCTGCCTGGGTGTCAGG
 ACGCACAGAGCCCTTATGACAACAGCAACAGAGACTACTATTCCCAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222583 representing NM_010559
 Red=Cloning site Green=Tags(s)

MLTVGCTLLVALLAAPAVALLVLSGRALVANGVTSLPGATVTLICPGKEAAGNVTIHWVYSGSQNREW
 TTTGNTLVLRDVQLSDTGDYLCSLNDHLVGTVPLLVDVPPEEPKLSFRKNPLVNAICEWRPSSTPSPTT
 KAVLFAKKINTTNGKSDFQVPCQYSQQLKSFSCQVEILEGDKVYHIVSLCVANSVSGKSSHNEAFHSLKM
 VQPDPPANLVSAIPGRPRWLKVSQHPETWDPSYLLQFLRYRPVWSKEFTVLLLPVAQYQCVIHDAL
 RGVKHVVQVRGKEELDLDLQWSEWSPEVTGTPWIAEPRTTPAGILWNPTQVSVEDSANHEDQYESSTEATS
 VLPVQESSMSLPTFLVAGGSLAFGLLLCVFIILRLKQKWKSEAEKESKTTSPPPPPYSLGPKLPTFLL
 VPLLTPHSSGSDNTVNHSLGVRDAQSPYDNSNRDYLFPFR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1911_d12.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_010559

ORF Size: 1380 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

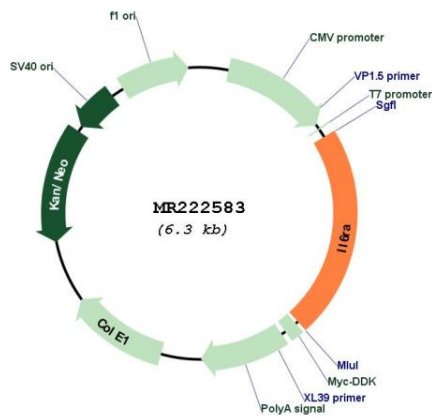
UniProt ID: [P22272](#)

Cytogenetics: 3 39.19 cM

MW: 50.9 kDa

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]

Product images:



Circular map for MR222583