

Product datasheet for **MG222583**

Il6ra (NM_010559) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il6ra (NM_010559) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Il6ra
Synonyms:	CD126; IL-6R; IL-6R-alpha; IL-6RA; Il6r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222583 representing NM_010559
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGACCGTCCGCTGCACGCTGTTGGTGCCTGCTGGCCGCGCCCGGGTCCGCTGGTCTCGGGA
 GCTGCCGCGCGCTGGAGGTGGCAAATGGCACAGTGACAAGCCTGCCAGGGGCCACCGTTACCTGATTTG
 CCCCAGGAAGGAAGCAGCAGGCAATGTTACCATTCACTGGGTGTAATCTGGCTCACAAAACAGAGAATGG
 ACTACCACAGGAAACACTGGTCTGAGGGACGTGCAGCTCAGCGACTGGGGACTATTTATGCTCCC
 TGAATGATCACCTGGTGGGACTGTGCCCTTGTGGTGGATGTTCCCCAGAGGAGCCCAAGCTCTCCTG
 CTTCCGGAAGAACCCCTTGTCAACGCCATCTGTGAGTGGCGTCCGAGCAGCACCCCTCTCAACCACG
 AAGCTGTGCTGTTTCAAAGAAAATCAACACCACCAACGGGAAGAGTGACTTCCAGGTGCCCTGTCAGT
 ATTCTCAGCAGTGAAAAGCTTCTCCTGCCAGGTGGAGATCCTGGAGGGTGACAAAGTATACCACATAGT
 GTCAGTGTGCGTTGCAAACAGTGTGGGAAGCAAGTCCAGCCACAACGAAGCGTTTACAGCTTAAAAATG
 GTGCAGCCGGATCCACCTGCCAACCTTGTGGTATCAGCCATACCTGGAAGGCCCGCTGGCTCAAAGTCA
 GCTGGCAGCACCCCTGAGACCTGGGACCCGATTACTACTTGTGTCAGTTCAGCTTCGATACCGACCTGT
 ATGGTCAAAGGAGTTCACGGTGTGCTGCTCCCGTGGCCAGTACCAATGCGTCATCCATGATGCCTTG
 CGAGGAGTGAAGCACGTGGTCCAGGTCCGTGGGAAGGAGGAGCTTGACCTTGGCCAGTGGAGCGAATGGT
 CCCCAGAGGTACGCGGCACTCCTTGATAGCAGAGCCAGGACCACCCCGCAGGAATCCTCTGGAACCC
 CACACAGGTCTCTGTTGAAGACTCTGCCAACACGAGGATCAGTACGAAAGTTCTACAGAAGCAACGAGT
 GTCTCGCCCCAGTGAAGAATCCTCGTCCATGTCCTTCCACATTCTGGTAGCTGGAGGAAGCTTGG
 CGTTTGGGTTGCTTCTGTGCTTTCATCATCTGAGACTCAAGCAGAAATGGAAGTCAAGGCTGAGAA
 GGAAAGCAAGACACCTCTCCTCCACCCACCGTATTCTTGGGCCACTGAAGCCGACCTTCTCTCTG
 GTTCTCTCCTCACCCACACAGCTCTGGTCTGACAATACCGTAAACCACAGCTGCCTGGGTGTCAGGG
 ACGCACAGAGCCCTTATGACAACAGCAACAGACTACTTATCCCCAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG222583 representing NM_010559
 Red=Cloning site Green=Tags(s)

MLTVGCTLLVALLAAPAVLVLGSCRALEVANGTVTSLPGATVTLICPGKEAAGNVTIHWVYSGSQNREW
 TTTGNTLVLRDVQLSDTGDYLCSLNDHLVGTVPLLVDVPPEEPKLSFRKNPLVNAICEWRPSSTPSPTT
 KAVLFAKKINTTNGKSDQVPCQYSQQLKSFSCQVEILEGDKVYHIVSLCVANSVSGKSSHNEAFHSLKM
 VQPDPPANLVVSAIPGRPRWLKYSWQHPETWDPSYLLQFLRYRPVWSKEFTVLLLPAQYQCVIHDAL
 RGVKHVVQVRGKEELDLQWSEWSPEVTGTPWIAEPRTTPAGILWNPTQVSVEDSANHEDQYESSTEATS
 V LAPVQESSMSLPTFLVAGGSLAFGLLLCVFIILRLKQKWKSEAEKESKTTSPPPPPYSLGPLKPTFLL
 VPLLTPHSSGSDNTVNHSLGVRDAQSPYDNSNRDYLFPFR

TRTRPLE - GFP Tag - V

Chromatograms:

https://cdn.origene.com/chromatograms/ja2697_e11.zip

Restriction Sites:

SgfI-MluI

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

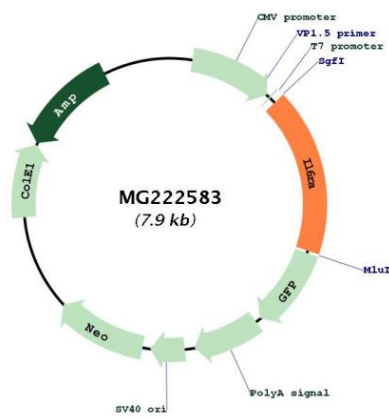
Locus ID: 16194

UniProt ID: [P22272](#)

Cytogenetics: 3 39.19 cM

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 MG222583