

Product datasheet for **MC221992**

Csf3r (NM_007782) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csf3r (NM_007782) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Csf3r
Synonyms:	Cd114; Csfgr; G-CSF-R; G-CSFR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221992 representing NM_007782
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTAGGGCTGGGAGCCTGCACCTGACTGGAGTTACCTGATCTTCTTGTACTCCCCAGAAGTCTGG
 AGAGCTGTGGACACATCGAGATTCACCCCTGTTGTCCGCTGGGGACCCTGTCTGGCCTCTTGCAC
 CATCAGCCCAAACCTGCAGCAAACCTGGACCAACAGGCAAAGATCTTATGGAGACTGCAAGATGAGCCCATC
 CAACCTGGGGACAGACAGCATCATCTGCCTGATGGGACCAAGAGTCCCTCATCACTCTGCCTCACTTGA
 ACTACACCAGGCCTTCTCTTCTGCTTAGTGCCATGGGAAGACAGCGTCCAACCTCTGGATCAAGCTGA
 GCTTCACGCAGGCTATCCCCCTGCCAGCCCTCAAACCTATCCTGCCTCATGCACCTCACCACCAACAGC
 CTGGTCTGCCAGTGGGAGCCAGGCTCTGAGACCCACCTGCCACCAGTTCATCCTAAAGAGCTTCAGGA
 GCCGCGCCGACTGTCAGTACCAAGGGGACACCATCCCGATTGTGTGGCAAAGAAGAGCCAGAACAACCTG
 CTCATCCCCGAAAAAATTGCTCCTGTACCAGTATATGGCCATCTGGGTGCAAGCAGAGAATATGCTA
 GGGTCCAGCGAGTCCCCAAAGCTGTGCCTCGACCCCATGGATGTTGTGAAATTGGAGCCTCCCATGCCTGC
 AGGCCCTGGACATTGGCCCTGATGTAGTCTCTACCAGCCTGGCTGCCTGTGGCTGAGCTGGAAGCCATG
 GAAGCCAGTGAGTACATGGAACAGGAGTGTGAACTTCGCTACCAGCCACAGCTCAAAGGAGCCAACTGG
 ACTCTGGTGTCCACCTGCCTCCAGCAAGGACCAGTTTGAGCTCTGCGGGCTCCATCAGGCCCCAGTCT
 ACACCCTACAGATGCGATGCATTCGCTCATCTCTGCCTGGATTCTGGAGCCCCTGGAGCCCCGGCCTGCA
 GCTGAGGCCTACCATGAAGGCCCCACCATCAGACTGGACACGTGGTGTGAGAAGAAGCAACTAGATCCA
 GGGACAGTGAGTGTGCAGCTGTTCTGGAAGCCAACGCCCTGCAGGAAGACAGTGGACAGATCCAGGGCT
 ACCTGTCTCTGGAGTCCCCAGATCATCAAGGGCAGGACATACACCTTTGCAACACCACGCAGCTCAG
 CTGTATCTTCTCCTGCCCTCAGAGGCCAGAAGGTGACCCTTGTGGCCTACAACAAGCAGGGACCTCT
 TCACCTACTACAGTGGTTTTCTGGAGAACGAAGTCCAGCTGTGACCGACTCCATGCCATGGCCCAAG
 ACCTTAACACCATCTGGGTAGACTGGGAAGCCCCAGCCTTCTGCCTCAGGGCTATCTCATTGAGTGGGA
 AATGAGTCTCCAGCTACAATAACAGCTATAAGTCTGGATGATAGAACCTAACGGGAACATCACTGGA
 ATTCTGTTAAAGGACAACATAAATCCCTTTCAGCTCTACAGAATTACAGTGGCTCCCTGTACCCAGGCA
 TCGTGGGACCTCCTGTAATGTCTACACCTTCGCTGGAGAGAGCTCCTCCTCATGCTCCAGCGCTGCA
 TCTAAAGCATGTTGGCACAACCTGGGCACAGCTGGAGTGGTACCTGAGGCCCTAGGCTGGGGATGATA
 CCCCTCACCCTACACCATCTTCTGGGCCGATGCTGGGACCCTCCTTCTCCGTACCCTGAACATCT
 CCCTCCATGACTTGTGCTGAAGCACCTGGAGCCCGCCAGTTTGTATCATGTCTACCTCATGGCCACCAG
 TCGGGCAGGGTCCACCAACAGTACAGGCCCTTACCTGAGGACCCTAGATCCATCTGACTTAAACATTTTC
 CTGGGCATACTTTGCTTAGTACTCTGTCCACTACCTGTGTAGTGACCTGGCTCTGCTGCAAACGCAGAG
 GAAAGACTTCTTCTGGTCAGATGTGCCAGACCAGCCACAGTAGCCTGAGCTCCTGGTTGCCACCAT
 CATGACAGAGGAAACCTTCCAGTTACCCAGCTTCTGGGACTCCAGCGTCCATCAATCACCAGATCACT
 GAACTGGAGGAAGACAAGAAACCGACCCACTGGGATCCGAAAGCTCTGGGAATGGTAGCCTTCCAGCCC
 TGGTTCAGGCCTATGTGCTCCAAGGAGATCCAAGAGAAATTTCCAACAGTCCCAGCCTCCCTCTCGCAC
 TGGTGACCAGGTCCTCTATGGTCAGGTGCTTGGAGAGCCACCCAGCCAGGAGTAAATGCAGTACATTGCG
 TCTGACTCCACTCAGCCCTCTTGGGGGGCCCCACCCCTAGCCCTAAATCTTATGAAAACATCTGGTTCC
 ATTCAAGACCCAGGAGACCTTTGTGCCCAACCTCCAAACCAGGAAGATGACTGTGCTTTGGGCCTCC
 ATTTGATTTTCCCTCTTTCAGGGGCTCCAGGTCCATGGAGTTGAAGAACAAGGGGGTTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_007782
Insert Size: 2514 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_007782.3](#), [NP_031808.2](#)

RefSeq Size: 3907 bp

RefSeq ORF: 2514 bp

Locus ID: 12986

UniProt ID: [P40223](#)

Cytogenetics: 4 59.77 cM

Gene Summary: Receptor for granulocyte colony-stimulating factor (CSF3). In addition it may function in some adhesion or recognition events at the cell surface.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.