

Product datasheet for **MR231007**

Csf3r (NM_001252651) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csf3r (NM_001252651) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR231007 representing NM_001252651
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTAGGGCTGGGAGCCTGCACCTGACTGGAGTTACCTGATCTTCTTGTACTCCCCAGAAGTCTGG
 AGAGCTGTGGACACATCGAGATTTACCCCTGTGTCCGCTGGGGACCCTGTCTGGCTCTTGCAC
 CATCAGCCCAAATGCAGCAAATGGACCAACAGGCAAAGATCTTATGGAGACTGCAAGATGAGCCCATC
 CAACCTGGGGACAGACAGCATCATCTGCCTGATGGGACCAAGAGTCCCTCATCACTCTGCCTCACTTGA
 ACTACACCCAGGCCTTCTCTTCTGCTTAGTGCCATGGGAAGACAGCGTCCAACCTCTGGATCAAGCTGA
 GCTTCACGCAGGCTATCCCCCTGCCAGCCCTCAAACCTATCCTGCCTCATGCACCTCACCACCAACAGC
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 GCCGCGCCGACTGTCAGTACCAAGGGGACACCATCCCGGATTGTGTGGCAAAGAAGAGGCAGAACAAGT
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 GGTGTGAGAAGAAGCAACTAGATCCAGGGACAGTGAAGTGTGCAGCTGTTCTGGAAGCCAACGCCCTGCA
 GGAAGACAGTGGACAGATCCAGGGCTACCTGCTGTCTGGAGTTCCCCAGATCATCAAGGGCAGGACATA
 CACCTTTGCAACACCACGCAGCTCAGCTGTATCTTCTCCTGCCCTCAGAGGCCCAGAAGCTGACCCCTG
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 CCTCAGGGCTATCTCATTGAGTGGGAAATGAGTTCTCCAGCTACAATAACAGCTATAAGTCTGGATGA
 TAGAACCTAACGGGAACATCACTGGAATCTGTTAAAGGACAACATAAAATCCCTTTCAGCTACAGAAT
 TACAGTGGCTCCCTGTACCCAGGCATCGTGGGACCTCCTGTAATGTCTACACCTTCGCTGGAGAGAGA
 GCTCCTCCTCATGCTCCAGCGCTGCATCTAAAGCATGTTGGCACAACTGGGCACAGCTGGAGTGGGTAC
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 CTCCTTCTCCGTACCCTGAACATCTCCCTCCATGACTTTGTCCTGAAGCACCTGGAGCCCGCCAGTTTG
 TATCATGTCTACCTCATGGCCACCAGTCGGGCAGGGTCCACCAACAGTACAGGCCTTACCCTGAGGACCC
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 GACCTGGCTCTGCTGCAAACGCAGAGGAAAGACTTCTTCTGGTCAGATGTCCAGACCCAGCCACAGT
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 AACAGTCCCAGCCTCCCTCTCGCACTGGTGACCAGGTCTCTATGGTACAGTGTGAGAGCCCCACCA
 GCCCAGGAGTAATGCAGTACATTCGCTCTGACTCCACTCAGCCCTCTTGGGGGGCCCCACCCCTAGCCC
 TAAATCTTATGAAAACATCTGGTTCATTCAAGACCCAGGAGACCTTTGTGCCCAACCTCAAACCAG
 GAAGATGACTGTGCTTTGGGCCTCCATTTGATTTCCCTCTTTCAGGGGCTCCAGGTCCATGGAGTTG
 AAGAACAAGGGGGTTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231007 representing NM_001252651
 Red=Cloning site Green=Tags(s)

MVGLGACTLTGVTLIFLLLPRSLLESCGHIEISPPVVRLGDPVLASCTISPNCSKLDQQAKILWRLQDEPI
 QPGDRQHHLPDGTQESLITLPHLNYTQAF LFCLVPWEDSVQLLDQAE LHAGYPPASPSNL SCLMHLTTNS
 LVCQWEPGPETHLPTSFILKSFRSRADCQYQGD TIPDCVAKKRQNNCSIPRKNLLLYQYMAIWVQAENML
 GSSESPKLC LDPMDVAPTIRLDTWCQKKQLDPGTVSVQLFWKPTPLQEDSGQIQGYLLSWSSPDHQGQDI
 HLCNTTQLSCIFLLPSEAQNVTLVAYNKAGTSSPTTVVFL ENEGPAVTGLHAMAQDLNTI IWDWEAPSL
 PQGYLIEWEMSSPSYNNYSYKSWMIEPNGNITGILLKDNINPFQLYRITVAPLYPGIVGPPVNVYTFAGER
 APPHAPALHLKHVGTWAQLEWVPEAPRLGMIPLTHYIFWADAGDHSF SVTLNISLHDFVLKHLEPASL
 YHYVLMATSRAGSTNSTGLTRTLDPSDLNIFLGILCLVLLSTTCVVTWLCCKRRGKTSFWSVDPDPAHS
 SLSSWLPTIMTEETFQLPSFWDSSVPSITKITELEEDKPKTHWDESSNGSLPALVQAYVLQGDPREIS
 NQSQPPSRGDQVLYGQVLESPTSPGVMQYIRSDSTQPLLGGPTSPKSYENIWFHSRPQETFPVQPPNQ
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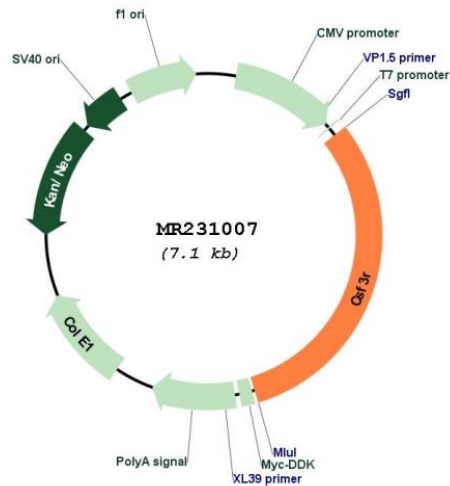
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001252651

ORF Size: 2187 bp

OTI Disclaimer: 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_001252651.1](#), [NP_001239580.1](#)

RefSeq Size: 3583 bp

RefSeq ORF: 2190 bp

Locus ID: 12986

Cytogenetics: 4 59.77 cM

MW: 81.3 kDa

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]