

Product datasheet for **MG226905**

Csf3r (NM_007782) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csf3r (NM_007782) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Csf3r
Synonyms:	Cd114; Csfgr; G-CSF-R; G-CSFR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG226905 representing NM_007782
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTAGGGCTGGGAGCCTGCACCTGACTGGAGTTACCTGATCTTCTTGTACTCCCCAGAAGTCTGG
 AGAGCTGTGGACACATCGAGATTTACCCCTGTGTCCGCTGGGGACCCTGTCTGGCCTCTTGCAC
 CATCAGCCCAAACCTGCAGCAAACCTGGACCAACAGGCAAAGATCTTATGGAGACTGCAAGATGAGCCCATC
 CAACCTGGGGACAGACAGCATCATCTGCCTGATGGGACCAAGAGTCCCTCATCACTCTGCCTCACTTGA
 ACTACACCCAGGCCTTCTCTTCTGCTTAGTGCCATGGGAAGACAGCGTCCAACCTCTGGATCAAGCTGA
 GCTTCACGCAGGCTATCCCCCTGCCAGCCCTCAAACCTATCCTGCCTCATGCACCTCACCACCAACAGC
 CTGGTCTGCCAGTGGGAGCCAGGCTCTGAGACCCACCTGCCACCAGTTCATCCTAAAGAGCTTCAGGA
 GCCGCGCCGACTGTCAGTACCAAGGGGACACCATCCCGGATTGTGTGGCAAAGAAGAGGCAGAACAACCTG
 CTCATCCCCGAAAAAATTGCTCCTGTACCAGTATATGGCCATCTGGGTGCAAGCAGAGAATATGCTA
 GGGTCCAGCGAGTCCCCAAAGCTGTGCCTCGACCCCATGGATGTTGTGAAATTGGAGCCTCCCATGCCTGC
 AGGCCCTGGACATTGGCCCTGATGTAGTCTCTACCAGCCTGGCTGCCTGTGGCTGAGCTGGAAGCCATG
 GAAGCCAGTGTAGTACATGGAACAGGAGTGTGAACCTTCGCTACCAGCCACAGCTCAAAGGAGCCAACTGG
 ACTCTGGTGTCCACCTGCCTCCAGCAAGGACCAGTTTGAGCTCTGCGGGCTCCATCAGGCCCCAGTCT
 ACACCCACAGATGCGATGCATTCGCTCATCTCTGCCTGGATTCTGGAGCCCTGGAGCCCCGGCCTGCA
 GCTGAGGCCTACCATGAAGGCCCCACCATCAGACTGGACACGTGGTGTGAGAAGAAGCAACTAGATCCA
 GGGACAGTGTGAGTGTGACGCTGTTCTGGAAGCCAACGCCCTGCAGGAAGACAGTGGACAGATCCAGGGCT
 ACCTGCTCCTGGAATTTCCAGATCATCAAGGGCAGGACATACACCTTTGCAACACACGCAGCTCAG
 CTGTATCTTCTCCTGCCCTCAGAGGCCAGAAGGTGACCCTTGTGGCCTACAACAAGCAGGGACCTCT
 TCACCTACTACAGTGGTTTTCTGGAGAACGAAGTCCAGCTGTGACCGACTCCATGCCATGGCCCAAG
 ACCTTAACACCATCTGGGTAGACTGGGAAGCCCCAGCCTTCTGCCTCAGGGCTATCTCATTGAGTGGGA
 AATGAGTTCTCCAGCTACAATAACAGCTATAAGTCTGGATGATAGAACCTAACGGGAACATCACTGGA
 ATTCTGTTAAAGGACAACATAAATCCCTTTCAGCTCTACAGAATTACAGTGGCTCCCTGTACCCAGGCA
 TCGTGGGACCCCTGTAATGTCTACACCTTCGCTGGAGAGAGAGCTCCTCCTCATGCTCCAGCGCTGCA
 TCTAAAGCATGTTGGCACAACCTGGGCACAGCTGGAGTGGTACCTGAGGCCCTAGGCTGGGGATGATA
 CCCCTCACCCACTACACCATCTTCTGGGCCGATGCTGGGGACCACTCCTTCTCCGTACCCTAAACATCT
 CCCTCCATGACTTTGCCTGAAGCACCTGGAGCCCGCCAGTTTGTATCATGTCTACCTCATGGCCACCAG
 TCGAGCAGGGTCCACCAATAGTACAGGCCCTTACCTGAGGACCCTAGATCCATCTGACTTAAACATTTTC
 CTGGGCATACTTTGCTTAGTACTCTTGTCCACTACCTGTGTAGTGACCTGGCTCTGCTGCAAACGCAGAG
 GAAAGACTTCTTCTGGTCAGATGTGCCAGACCCAGCCACAGTAGCCTGAGCTCCTGGTTGCCACCAT
 CATGACAGAGGAAACCTTCCAGTTACCCAGCTTCTGGGACTCCAGCGTCCATCAATCACCAAGATCACT
 GAACTGGAGGAAGACAAGAAACCGACCCACTGGGATCCGAAAGCTCTGGGAATGGTAGCCTTCCAGCCC
 TGGTTCAGGCCTATGTGCTCCAAGGAGATCCAAGAGAAATTTCCAACAGTCCCAGCCTCCCTCTCGCAC
 TGGTGACCAGTCTCTATGGTCAGGTGCTTGAGAGCCCCACCAGCCAGGAGTAATGCAGTACATTCCG
 CTGACTCCACTCAGCCCTCTTGGGGGGCCCCACCCCTAGCCCTAAATCTTATGAAAACATCTGGTTCC
 ATTCAAGACCCCAAGGAGACCTTTGTGCCCAACCTCCAAACCAGGAAGATGACTGTGCTTTGGCCCTCC
 ATTTGATTTTCCCTCTTTCAGGGGCTCCAGTCCATGGAGTTGAAGAACAAGGGGGTTTC

ACCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG226905 representing NM_007782
Red=Cloning site Green=Tags(s)

MVGLGACTLTGVTLIFLLLPRSLLESCGHIEISPPVVRLGDPVLASCTISPNCSKLDQQA KILWRLQDEPI
QPGDRQHHLPDGTQESLITLPHLNYTQAF LFCLVPWEDSVQLLDQAE LHAGYPPASPSNL SCLMHLTTNS
LVCQWEPGPETHLPTSFILKSFRSRADCYQGD TIPDCVAKKRQNNCSI PRKNLLLYQYMAI WVQAENML
GSSESPKLC LDPMDVVKLEPPMLQALDIGPDVVSHQPGCLWLSWKPWKPSEYMEQECELRYQPQLKGANW
TLVFHLPSSKDQFELCGLHQAPVYTLQMRCIRSSLPGFWSPWSPGLQLRPTMKAPTIRLDTWCQKKQLDP
GTYSVQLFWKPTPLQEDSGQIQGYLLSWNSPDHQGD IHLCNTTQLSCIFLLPSEAQNVTLVAYNKAGTS
SPTTVVFLNEGPAVTGLHAMAQDLNTIWDWEAPSLLPQGYLIEWEMSSPSYNN SYKSWMIEPNGNITG
ILLKDNINPFQLYRITVAPLYPGIVGPPVNVYTFAGERAPP HAPALHLKHVGT TWAQLEWVPEAPRLGMI
PLTHYTFWADAGDHSFSVTLNISLHDFVLKHLEPASL YHVYLMATSRAGSTNSTGLTLRTLDPSDLNIF
LGILCLVLLSTTCVVTWLCCKRRGKTSFWS DVPDAHSSLS SSWLPTIMTEETFQLPSFWDSSVPSITKIT
ELEEDK KPTHWDESSGNGSLPALVQAYVLQGDPREISNQSQPPSRTGDQVLYGQVLESPTSPGVMQYIR
SDSTQPLLGGPTSPKSYENIWFH SRPQETFVPQPPNQEDDCVFGPPFD FPLFQGLQVHGVEEQGGF

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



EcoR I **BamH I** **Kpn I** **RBS** **Kozac Consensus** **Sgf I** **Asc I**
 CTATAGGGCGCGCGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGCCAGATCT

Hind III **Nhe I** **Rsr II** **Mlu I** **Not I** **Xho I** **GFP Tag**
 CAAGCTTAACTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC - - - -
 T R T R P L E M E S D - - - -

 Pme I **Fse I**
 - - - - GAA GAA AGA GTT TAA ACGGCCGGCCGGAGCT
 - - - - E E R V Stop

ACCN: NM_007782
 ORF Size: 2511 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_007782.1](#)

RefSeq Size: 3907 bp

RefSeq ORF: 2514 bp

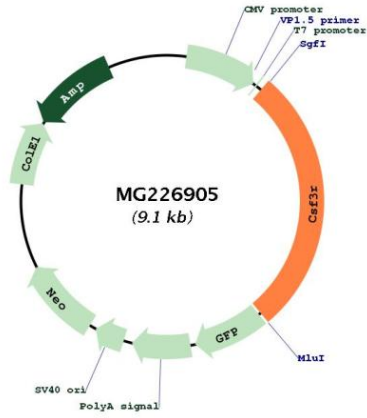
Locus ID: 12986

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]

Product images:



Circular map for MG226905