

## Product datasheet for **MR226905**

### **Csf3r (NM\_007782) Mouse Tagged ORF Clone**

#### **Product data:**

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



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**ORF Nucleotide Sequence:**

>MR226905 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTAGGGCTGGGAGCCTGCACCTGACTGGAGTTACCTGATCTTCTTGTACTCCCCAGAAGTCTGG  
 AGAGCTGTGGACACATCGAGATTTACCCCTGTGTCCGCTGGGGACCCTGTCTGGCCTCTTGCAC  
 CATCAGCCCAAACCTGCAGCAAACCTGGACCAACAGGCAAAGATCTTATGGAGACTGCAAGATGAGCCCATC  
 CAACCTGGGGACAGACAGCATCATCTGCCTGATGGGACCAAGAGTCCCTCATCACTCTGCCTCACTTGA  
 ACTACACCCAGGCCTTCTCTTCTGCTTAGTGCCATGGGAAGACAGCGTCCAACCTCTGGATCAAGCTGA  
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 GCCGCGCCGACTGTCAGTACCAAGGGGACACCATCCCGGATTGTGTGGCAAAGAAGAGGCAGAACAACCTG  
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 GAAGCCAGTGAGTACATGGAACAGGAGTGTGAACTTCGCTACCAGCCACAGCTCAAAGGAGCCAACTGG  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

&gt;MR226905 protein sequence

Red=Cloning site Green=Tags(s)

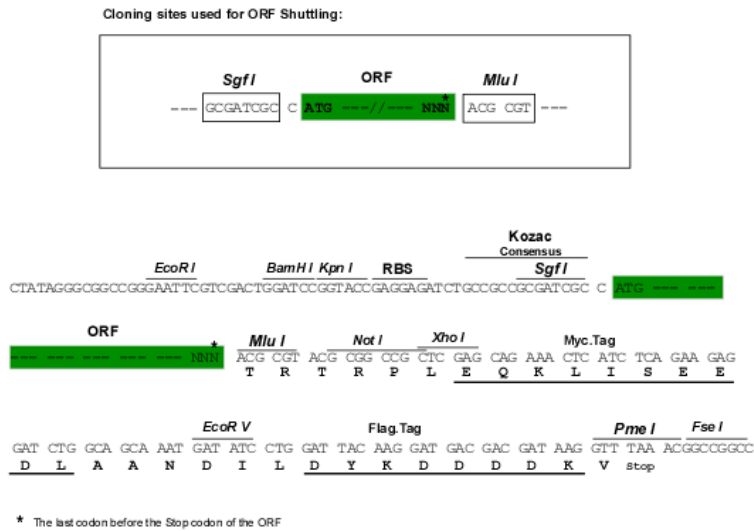
MVGLGACTLTGVTLIFLLLPRSLLESCGHIEISPPVVRLGDPVLASCTISPNCSKLDQQA KILWRLQDEPI  
QPGDRQHHLPDGTQESLITLPHLNYTQAF LFCLVPWEDSVQLLDQAE LHAGYPPASPSNL SCLMHLTTNS  
LVCQWEPGPETHLPTSFILKSFRRAD CQYQGD TIPDCVAKKRQNNCSI PRKNLLLYQYMAI WVQAENML  
GSSESPKLC LDPMDVVKLEPPMLQALDI GPDVVSHQPGCLWLSWKPWKPSEYMEQE CELRYQPQLKGANW  
TLVFHLPSSKDQFELCGLHQAPVYTLQMRCIRSSLPGFWSPWSPGLQLRPTMKAPTIRLDTWCQKKQLDP  
GTYSVQLFWKPTPLQEDSGQIQGYLLSWNSPDHQGD IHLCNTTQLSCIFLLPSEAQNVTLVAYNKAGTS  
SPTTVVFL ENEGPAVTGLHAMAQDLNTI WVDWEAPSLLPQGYLIEWEMSSPSYNN SYKSWMI EPNGNITG  
ILLKDNINPFQLYRITVAPLYPGIVGPPVNVYTF AGERAPPHAPALHLKHVGT TWAQLEWVPEAPRLGMI  
PLTHYTFWADAGDHSFSVTLNISLHDFVLKHLEPASL YHVYLMATSRAGSTNSTGLTLRTLDPSDLNIF  
LGILCLVLLSTTCVVTWLCKRRGKTSFWS DVPDAHSSLSWLPTIMTEETFQLPSFWDSSVPSITKIT  
ELEEDK KPTHWDESSGNGSLPALVQAYVLQGDPREISNQSQPPSRTGDQVLYGQVLESPTSPGVMQYIR  
SDSTQPLLGGPTSPKSYENIWFH SRPQETFVPQPPNQEDDCVFGPPDFP L FQGLQVHGVEEQGGF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

## Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_007782

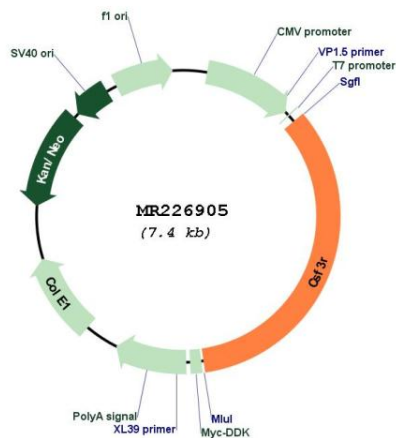
ORF Size: 2514 bp

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](mailto: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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_007782.1</a>
<b>RefSeq Size:</b>	3907 bp
<b>RefSeq ORF:</b>	2514 bp
<b>Locus ID:</b>	12986
<b>UniProt ID:</b>	<a href="#">P40223</a>
<b>Cytogenetics:</b>	4 59.77 cM
<b>MW:</b>	93.4 kDa
<b>Gene Summary:</b>	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 MR226905