

Product datasheet for **RR209805**

Csf1r (NM_001029901) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Csf1r (NM_001029901) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Csf1r
Synonyms: c-fms; CSF-1-R; CSF-1R; M-CSF-R; mrfms
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209805 representing NM_001029901
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCTGGGGCTCCTCTGGTCTGCTGCTGGCCACAGCTTGGCATGGAGTGCAGATTTTATCTGGGG
AGAAGAGTAGGACCACCATCCACATCTACCTTCTGGCAGGCAGGAGGGCGGTGACCACTGAGATTGTTCT
CATGGGTGAGGAGCACTGATGTCAGAGGGTCAATGACTGTCAAGGGGCCCTGTCATCGAGCCTAGT
GGCCAGAGCTGGTTGTAGAGCCAGGTGCAACAGTGACCCCTGCGATGTGTGAGCAATGGCAGTGTGGAAT
GGGATGGCCCCATCTCTCCCTACTGGACCTTGGACTCTGAATCTCCTGGAAGCATCCTGATCACAAAAA
CGCCACCTTAAAAACACTGGGACCTACCGTTGTACTGAGCTTGAAGACCTATGCGGGGAGTACCGCC
ATCCACTTGTACGTCAAAGATCTGTCCGGCCCTGGAATTTGCTAGCACAGGAGGTGACAGTGTGTTGAGG
GCCAGGAAGCTGTGCTGCCCTGTCTGATCACTGACCCCACTGAAGGACAGTGTCTCACTGGTGGGGA
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GCTAAATTCCTTGACAGTCATACCTACATGTGCAAGGCTGTTGTGAACGCTAGGGAATCCACCTCCATTG
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CAGAGCCTCTTGACAGGAGGTGTCTGTGGGTGAGAACCTCGACCTCACAGTCATTGCAGATGCCTACCCTG
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TGCCATTGGGACCCTAAAGCACAAATGACTTATGTTTGCAGAGCCACAACAATGTGGGTAACAGCTC
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 ACAAGGATGACGACGATAGGTTTAA

Protein Sequence:

>RR209805 representing NM_001029901
 Red=Cloning site Green=Tags(s)

MELGAPLVLLLATAWHGVQILSSEKSRRTIHIYLLAGRRVTTTEIVLMGQRSTDVQRVNDQCQAPVIEPS
 GPFLVVEPGATVTLRCVSNVSVEWDGPISPYWTLDSESPGSILITKNATFKNTGTYRCELEDPMRGSTA
 IHLVYKDPVPRPWLLAQEVTVFEGQEAFLPCLITDPTLKDSVSLVREWGRPVSRKTVYSFLPWRFIIHK
 AKFLDSHTYMCKAVVNARESTSIGIRLKVNRHPGPHIILEPTKLVIRGEAAQIVCSATHSEVEFNVI
 LKRGDTKLEIPINSDFQDNAYKKVLTNLNAVDFQDAGIYSCVANNAAGSNTATMNFQVVEASAYLNLTSE
 QSLLEQVSVGENLDLTVIADAYPGLQRYNWTYLGPFEDPHNLEFRTQWTTYSYFHLHLNRVKPLEAGR
 YSLMAQNKAGWNNLTFELTLRYPPEVSVTWIPVNGSDVLLCDVSGYPQPNVTWMECRGHTDRCDEAASQ
 VWDDTQPEVLVSLQPFHRVILQSQLPIGTLKHNMTYVCRANNVGNSSQFFRAISLQSKQLPDEYLFPTV
 VVACISVMSLLVLLLLLLLYKYKQPKYQVRWKIIESYEGNNYTFIDPTQLPYNEKWEFPRNNLQFGKTL
 GAGAFGKVEATAFGLGKEDAVLKVAVKMLKSTAHADKEALMSELKIMSHLQHENIVNLLGACTHGPP
 VLVITEYCCYGDLLNFLRRKAEAMLGSLSPGQDPEGDSSYKNIHLEKKYVRRDSGFSQGVDTYVEMRP
 VSTSSNDSFFKQDLDEASRPLELWDLHFSSQVAQGMFLASKNCIHRDVAARNVLLTSGHVAKIGDFG
 LARDIMNDSNYVKGARLPVKWMAPEIFDCVYTVQSDVWSYGILLWEIFSLGLNPYPGILVNNKFYKL
 VKDGYQMAQPVFAPENIYSIMQSCWDLEPTKRPTFQICFLLQEQLERREQDYANLPSSSSSSSSSSD
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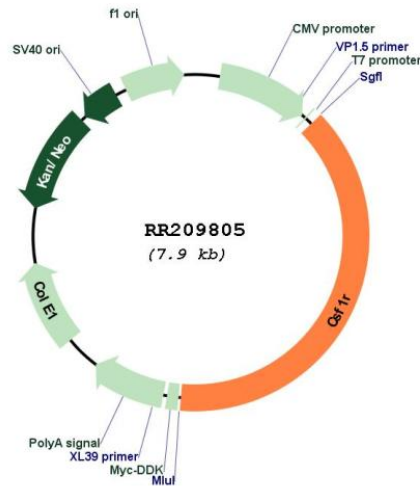
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001029901

ORF Size: 3066 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:	<ol style="list-style-type: none">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:	<u>NM_001029901.1</u> , <u>NP_001025072.1</u>
RefSeq Size:	3698 bp
RefSeq ORF:	3069 bp
Locus ID:	307403
Cytogenetics:	18q12.1
MW:	114.2 kDa
Gene Summary:	may mediate normal and neoplastic growth of muscular cells [RGD, Feb 2006]