

Product datasheet for **RR212926**

Csf1 (NM_023981) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csf1 (NM_023981) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Csf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR212926 representing NM_023981
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACCGCGGGGCGCCGCGGGCGCTGCCCTTCTTCGACATGGATGGGCTCCCGCTGCTGCTGGTCT
 GTCTCCTCGTGAGCAGGAGTGTGGCCGAGGTGTCGGAGCACTGTAGCCACATGATTGGGAATGGACACCT
 ACAGATTTTGCAGCAGTTGATCGACAGCCAAATGGAGACTGCATGCCTGATCGAATATAAATTTGTAGAC
 CAGGAACAGCTGGACGATCCCGTTTGTACCTAAAGAAGGCCCTTTGTTTTGGTACAAGTCATAATCGAGG
 AAACCATGCGCTTTAAAGACAACACCCCAACGCCACCGAGAGGCTACAGGAACTCTCTATGAA
 ACTGAACAGCTGCTTTATCAAGGACTATAAGGAACAGAACGAGGCCTGTGTCCAAACTTACAAGAGAGT
 CCTCTCCGGTTGCTGGAGAAAATCAAGAATTTCTTTAACGAAACAAGAATTTCTTGAAAAGGACTGGA
 ATATTTTTAGCAAGAAGTCAATGACAGCCTTGCTAAATGCTCTAGCAGAGATGTGGTGACCAAGCCTGA
 TTGCAACTGCCTGTACCCTAAAGCCACCCCTAGCAGCGACCTGGCCTCTGCCTCCCTCACCAGCCCT
 GCCCCCTCCATGGCCCTCTGGCTGACTTGGCTTGGGATGATTCTCAGAGGACAGAGGGAAGCTCCCTCT
 TGCCCACTGATCTGCCTTTCGCATAGAGGACCCAGGCAGTGCTAAGCAGCGACCGCCAGGAGTACCTG
 CCAGACCTCGAGTCAACAGAGCAACCAATCACGAGGACCCACAACCTCATCTTCTGCGGGGGCCCC
 ATCCCTGGGGTGAAGACATTATTGAATCTTCAATGGGCACTAAGTGGTCTTAGAAGAAGCTTCTGGAG
 AGGCTAGTGAGGGATTTTGAACCCAGGAAAGGAAGTTTCCCTCCAATCTGTAGGGGGCAGCATCCA
 GGCAGAGACTGACAGACCTGGGCCCGCTCAGCATCTTCCATTCCCTAAATTAACAGAGGATCAACAG
 CCAACGAATATAACAGACACCCCGTTGACAGAGGTGAACCCTATGAGACCACTGGCCAGACACTGAATA
 ATACTCCTGAGAAGACGGATGGTTCATCTACACTGCGCGAAGACCAGCAGGAGCCACGCTCTCCCATTT
 TGCCACACTGAATCCCAACGAGTCGGCAACTCAGCCACCCCTATGCTAAGTTACTGCCTCCCAAAAGC
 CACTCTTGGGGCATTGTACTGCCCTTGGGGAGCTCGAGGGCAAGAAAAGTACTAGAGATCGAAGGAGCC
 CCGCAGAGCTGAAAGGAGGACCAGCAAGTGAAGGGGCGAGCCAGGCCTGTGGCCAAAGTACTAGAGATCG
 AAGGAGCCCCGACAGCTGAAAGGAGGACCAGCAAGTGAAGGGGCGAGCCAGGCCTGTGGCCCGTTTAA
 TCCATTCTTTGACCGACACAGGCTCTTCTATTCCAGGATCCCAGACCTCTGCGTTTGTCTTCTGGGTG
 TAGGCATCATCTAGTCTTGTGGCTGTGGGGCCTCCTGTTCTACAGTTGGAAGCGGAGGAGCCATCG
 AGACCCTCGACATTGGATTCTTCTGTGGGGCGACCAGAGGGCAGCTCCCTGGCCAGGATGAGGACAGA
 CAGGTGGAAGTCCAGTGCAGGTGGAAGTCCAGTG

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212926 representing NM_023981
 Red=Cloning site Green=Tags(s)

MTARGAAGRCPSSSTMGRSLLLVLVSRVSAEVSEHCSHMIGNHGLQILQQLIDSQMETAACLIIEYKFVD
 QEQLDDPVCYLKKAFLVQVIIIEETMRFKDNTPNANATERLQELSMKLNCFIKDYKEQNEACVQTYKES
 PLRLLLEKIKNFNETKNFLEKDNWIFSKNCNDSLAKCSSRDVVTKPDCNCLYPKATPSSDLASASPHQPP
 APSMAPLADLAWDDSRTEGSSLLPSDLPLRIEDPGSAKQRPPRSTCQTLESTEQPNHEDPQPHPSAGAP
 IPGVEDIIESSMGTNWVLEEASGEASEGFLTQERKFSPPNPVGGSIQAETDRPWARSASSPFPKLTEDQQ
 PTNITDTPLTEVNPMPRTGQTLNNTPEKTDGSSTLREDQQEPRSPHFATLNPQRVGN SATPYAKLLPPKS
 HSWGIVLPLGELEGKKSTRDRRSPAELKGGPASEGAARPVAQSTRDRRSPAELKGGPASEGAARPVARFN
 SIPLTDTGSSIQDPQTSFAVFWVLGIILVLLAVGGLLFYSWKRRSHRDPRTLDSVGRPEGSSLAQDEDR
 QVELPVQVELPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1588_e05.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_023981

ORF Size: 1698 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 Size: 3975 bp

RefSeq ORF: 1701 bp

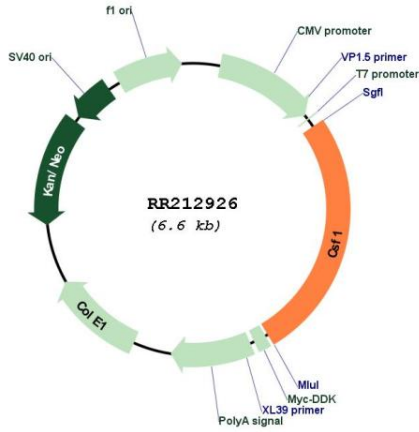
Locus ID: 78965

Cytogenetics: 2q34

MW: 62.2 kDa

Gene Summary: plays a role in macrophage formation; involved in osteoclastogenesis and endochondral ossification [RGD, Feb 2006]

Product images:



Circular map for RR212926