

## Product datasheet for **MR208764**

### **Csf1 (NM\_001113530) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Csf1 (NM_001113530) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Csf1
Synonyms:	C87615; Csfm; MCSF; op
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208764 representing NM\_001113530  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCGCGGGGGCGCCGGGGCGCTGCCCTTCTTCGACATGGCTGGGCTCCCGCTGCTGCTGGTCT  
 GTCTCCTCATGAGCAGGAGTATTGCCAAGGAGGTGTCAGAACACTGTAGCCACATGATTGGGAATGGACA  
 CCTGAAGGTCCTGCAGCAGTTGATCGACAGTCAAATGGAGACTTCATGCCAGATTGCCTTTGAATTTGTA  
 GACCAGGAACAGCTGGATGATCCTGTTTGTACCTAAAGAAGGCCTTTTTTCTGGTACAAGACATAATAG  
 ATGAGACCATGCGCTTTAAAGACAACACCCCAATGCTAACGCCACCGAGAGGCTCCAGGAATCTCCAA  
 TAACCTGAACAGCTGCTTACCAAGGACTATGAGGAGCAGAACAAGGCCTGTGTCCGAACCTTCCATGAG  
 ACTCCTCTCCAGCTGCTGGAGAAGATCAAGAATCTTTAATGAAACAAAGAATCTCCTTGAAGGACT  
 GGAACATTTTTACCAAGAACTGCAACAACAGCTTTGCTAAGTCTTAGCCGAGATGTGGTGACCAAGCC  
 TGATTGCAACTGCCTGTACCCTAAAGCCACCCCTAGCAGTGACCCGGCCTCTGCCTCCCCCTACCAGCCC  
 CCCGCCCTCCATGGCCCTCTGGCTGGCTTGGCTTGGGATGATTCTCAGAGGACAGAGGGCAGCTCCC  
 TCTTGCCAGTGAGCTTCCCCTTCGCATAGAGGACCCAGGCAGTGCCAAGCAGCGACCACCCAGGAGTAC  
 CTGCCAGACCCTCGAGTCAACAGAGCAACAAACCATGGGGACAGACTCACTGAGGACTCACAACCTCAT  
 CCTTCTGCGGGGGGGCCCGTCCCTGGGGTGAAGACATTTCTTGAATCTTCACTGGGCACTAACTGGGTCC  
 TAGAAGAAGCTTCTGGAGAGGCTAGTGAGGGATTTTTGACCCAGGAAGCAAAGTTTTCCCTCCACGCC  
 TGTAGGGGGCAGCATCCAGGCAGAGACTGACAGACCCAGGGCCCTCTCAGCATCTCCATTCCTAAATCA  
 ACAGAGGACAAAAGCCAGTGGATATAACAGACAGGCCGTTGACAGAGGTGAACCTATGAGACCCATTG  
 GCCAGACACAGAATAACTCCTGAGAAGACTGATGGTACATCCACGCTGCGTGAAGACCCAGGAGCC  
 AGGCTCTCCCATATTGCGACACCGAATCCCAACGAGTCAGCAACTCAGCCACCCCGTTGCTCAGTTA  
 CTGCTTCCAAAAGCCACTCTTGGGGCATTGTGCTGCCCTTGGGGAGCTTGAGGGCAAGAGAAGTACCA  
 GGGATCGAAGGAGCCCCGAGAGCTGGAAGGAGGATCAGCAAGTGAAGGGGACCCAGGCCTGTGGCCCG  
 TTTAATTCCATTCCTTTGACTGACACAGGCCATGTGGAGCAGCATGAGGGATCTCTGACCCCAAGATC  
 CCTGAGTCTGCTTCCACCTGCTGGTCCGGGCATCATCTAGTCTTGTGACTGTTGGGGGCTCTGT  
 TCTACAAGTGAAGTGGAGGAGCCATCGAGACCCTCAGACATTGGATTCTTGTGGGGCGACCAGAGGA  
 CAGCTCCCTGACCCAGGATGAGGACAGACAGGTGGAATGCCAGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208764 representing NM\_001113530  
 Red=Cloning site Green=Tags(s)

MTARGAAGRCPSSWLGSRLLLVCLLMSRSIAKEVSEHCSHMIGNHGLKVLQQLIDSQMETSCQIAFEFV  
 DQEQLDDPVCYLKKAFFLVQDIIDETMRFKDNTNANATERLQELSNLNSCFTKDYEEQNKACVRFHE  
 TPLQLLEKIKNFNETKNLLEKDWNIFTKNCNSFAKCSSRDVVTKPCNCLYPKATPSSDPASASPHQP  
 PAPSMAPLAGLAWDDSQRTEGSSLLPSELPLRIEDPGSAKQRPPRSTCQTESTEQPNHGDRLTEDSQPH  
 PSAGGPVPGVEDILESSLGTNWWLEEASGEASEGFLTQEAKFSPSTPVGGSIQAE TDRPRAL SASPFKS  
 TEDQKPVDI TDRPLTEVNPMPRIGQTQNNTPKTDGTSTLREDHQEPGSPHIATPNPQRVSNSATPVAQL  
 LLPKSHSWGIVLPLGELEGRSTRDRRSPAEEGGSEGAARPVARFNSIPLTDTGHVEQHEGSSDPQI  
 PESVFHLLVPGIILVLLTVGGLLFYKWKWRSHRDPQTLDSVGRPESSLTQDEDRQVELPV

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001113530

**ORF Size:** 1656 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\\_001113530.1](#), [NP\\_001107002.1](#)

**RefSeq Size:** 2324 bp

**RefSeq ORF:** 1659 bp

**Locus ID:** 12977

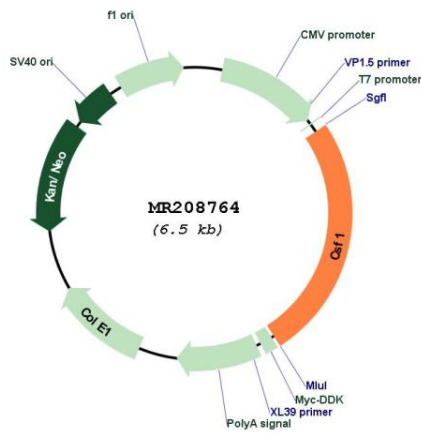
**UniProt ID:** [P07141](#)

**Cytogenetics:** 3 46.83 cM

**MW:** 60.6 kDa

**Gene Summary:** Cytokine that plays an essential role in the regulation of survival, proliferation and differentiation of hematopoietic precursor cells, especially mononuclear phagocytes, such as macrophages and monocytes. Promotes the release of proinflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. Plays an important role in the regulation of osteoclast proliferation and differentiation, the regulation of bone resorption, and is required for normal bone development. Required for normal male and female fertility. Promotes reorganization of the actin cytoskeleton, regulates formation of membrane ruffles, cell adhesion and cell migration. Plays a role in lipoprotein clearance. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208764