

## Product datasheet for **MC218794**

### **Csf1 (NM\_007778) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Csf1 (NM_007778) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Csf1
Synonyms:	C87615; Csfm; MCSF; op
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC218794 representing NM\_007778  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACCGCGGGGGCGCCGCGGGGCGCTGCCCTTCTTCGACATGGCTGGGCTCCCGCTGCTGCTGGTCT  
 GTCTCCTCATGAGCAGGAGTATTGCCAAGGAGGTGTCAGAACACTGTAGCCACATGATTGGGAATGGACA  
 CCTGAAGGTCCTGCAGCAGTTGATCGACAGTCAAATGGAGACTTCATGCCAGATTGCCTTTGAATTTGTA  
 GACCAGGAACAGCTGGATGATCCTGTTTGTACCTAAAGAAGGCCTTTTTTCTGGTACAAGACATAATAG  
 ATGAGACCATGCGCTTTAAAGACAACACCCCAATGCTAACGCCACCGAGAGGCTCCAGGAATCTCCAA  
 TAACCTGAACAGCTGCTTACCAAGGACTATGAGGAGCAGAACAAGGCCTGTGTCCGAATTTCCATGAG  
 ACTCCTCTCCAGCTGCTGGAGAAGATCAAGAATCTTTAATGAAACAAAGAATCTCCTTGAAGGACT  
 GGAACATTTTTACCAAGAACTGCAACAACAGCTTTGCTAAGTGTCTAGCCGAGATGTGGTGACCAAGCC  
 TGATTGCAACTGCCTGTACCCTAAAGCCACCCCTAGCAGTGACCCGGCCTCTGCCTCCCCCTACCAGCCC  
 CCCGCCCCCTCCATGGCCCCCTGGCTGGCTTGGCTTGGGATGATTCTCAGAGGACAGAGGGCAGCTCCC  
 TCTTGCCCACTGAGCTTCCCCTTCGCATAGAGGACCCAGGCAGTGCCAAGCAGCGACCACCCAGGAGTAC  
 CTGCCAGACCCTCGAGTCAACAGAGCAACAAACCATGGGGACAGACTCACTGAGGACTCACAACCTCAT  
 CCTTCTGCGGGGGGGCCCGTCCCTGGGGTGAAGACATTTCTTGAATCTTCACTGGGCACTAACTGGGTCC  
 TAGAAGAAGCTTCTGGAGAGGCTAGTGAGGGATTTTTGACCCAGGAAGCAAAGTTTTCCCCTCCACGCC  
 TGTAGGGGGCAGCATCCAGGCAGAGACTGACAGACCCAGGGCCCTCTCAGCATCTCCATTCCTAAATCA  
 ACAGAGGACCAAAAGCCAGTGGATATAACAGACAGGCCGTTGACAGAGGTGAACCCATGAGACCCATTG  
 GCCAGACACAGAATAACTCCTGAGAAGACTGATGGTACATCCACGCTGCGTGAAGACCACAGGAGCC  
 AGGCTCTCCCATATTGCGACACCGAATCCCAACGAGTCAGCAACTCAGCCACCCCGTTGCTCAGTTA  
 CTGCTTCCAAAAGCCACTCTTGGGGCATTGTGCTGCCCTTGGGGAGCTTGAGGGCAAGAGAAGTACCA  
 GGGATCGAAGGAGCCCCGAGAGCTGGAAGGAGGATCAGCAAGTGAAGGGCAGCCAGGCCTGTGGCCCCG  
 TTTAATTCCATTCCTTTGACTGACACAGGCCATGTGGAGCAGCATGAGGGATCTCTGACCCCCAGATC  
 CCTGAGTGTCTTCCACCTGCTGGTCCCGGCATCATCTAGTCTTGTGACTGTTGGGGGCTCCTGT  
 TCTACAAGTGAAGTGGAGGAGCCATCGAGACCCTCAGACATTGGATTCTTCTGTGGGGCGACCAGAGGA  
 CAGCTCCCTGACCAGGATGAGGACAGACAGGTGGAAGTCCAGT**ATAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_007778

**Insert Size:** 1659 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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).

<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_007778.4</a> , <a href="#">NP_031804.3</a>
<b>RefSeq Size:</b>	4192 bp
<b>RefSeq ORF:</b>	1659 bp
<b>Locus ID:</b>	12977
<b>UniProt ID:</b>	<a href="#">P07141</a>
<b>Cytogenetics:</b>	3 46.83 cM
<b>Gene Summary:</b>	<p>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.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Variants 1 and 3 encode the same isoform.</p>