

## Product datasheet for **MC208341**

### Csf1 (NM\_001113529) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Csf1 (NM_001113529) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Csf1
Synonyms:	C87615; Csfm; MCSF; op
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NM_001113529.1 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCGCGGGGCGCCGCGGGGCGCTGCCCTTCTTCGACATGGCTGGGCTCCCGGCTGCTGCTGGTCT  
GTCTCCTCATGAGCAGGAGTATTGCCAAGGAGGTGTCAGAACACTGTAGCCACATGATTGGGAATGGACA  
CCTGAAGTCTCGACAGTTGATCGACAGTCAAATGGAGACTTCATGCCAGATTGCCTTTGAATTTGTA  
GACCAGGAACAGCTGGATGATCCTGTTTGCTACCTAAAGAAGGCCTTTTTCTGGTACAAGACATAATAG  
ATGAGACCATGCGCTTTAAAGACAACACCCCAATGCTAACGCCACCGAGAGGCTCCAGGAATCTCCAA  
TAACCTGAACAGCTGCTTACCAAGGACTATGAGGAGCAGAACAAGGCCTGTGTCCGAATTTCCATGAG  
ACTCCTCTCCAGCTGCTGGAGAAGATCAAGAATCTTTAATGAAACAAAGAATCTCCTTGAAAAGGACT  
GGAACATTTTTACCAAGAACTGCAACAACAGCTTTGCTAAGTGCTCTAGCCGAGGCCATGTGGAGCAGCA  
TGAGGGATCCTCTGACCCCGAGATCCCTGAGTCTGTCTCCACCTGCTGGTGCCGGGCATCATCCTAGTC  
TTGCTGACTGTTGGGGCCTCCTGTTCTACAAGTGAAGTGGAGGAGCCATCGAGACCCTCAGACATTGG  
ATTCTTCTGTGGGGCGACCAGAGGACAGTCCCTGACCCAGGATGAGGACAGACAGGTGGAATGCCAGT  
ATAG

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja1498_c07.zip">https://cdn.origene.com/chromatograms/ja1498_c07.zip</a>
Restriction Sites:	SgfI-MluI
ACCN:	NM_001113529



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<b>Insert Size:</b>	774 bp
<b>OTI Disclaimer:</b>	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).
<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_001113529.1, NP_001107001.1</u>
<b>RefSeq Size:</b>	3307 bp
<b>RefSeq ORF:</b>	774 bp
<b>Locus ID:</b>	12977
<b>UniProt ID:</b>	<u>P07141</u>
<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 (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1, resulting in a shorter protein (isoform 2).</p>