

## Product datasheet for **MG227487**

### Csf1 (NM\_001113529) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Csf1 (NM_001113529) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Csf1
Synonyms:	C87615; Csfm; MCSF; op
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227487 representing NM_001113529 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCGCGGGGGCGCCGCGGGGCGCTGCCCTTCTTCGACATGGCTGGGCTCCCGGCTGCTGCTGGTCT  
GTCTCCTCATGAGCAGGAGTATTGCCAAGGAGGTGTCAGAACACTGTAGCCACATGATTGGGAATGGACA  
CCTGAAGTCTGCAGCAGTTGATCGACAGTCAAATGGAGACTTCATGCCAGATTGCCTTTGAATTTGTA  
GACCAGGAACAGCTGGATGATCCTGTTTGTACCTAAAGAAGGCCTTTTTCTGGTACAAGACATAATAG  
ATGAGACCATGCGCTTTAAAGACAACACCCCAATGCTAACGCCACCGAGAGGCTCCAGGAATCTCCAA  
TAACCTGAACAGCTGTTACCAAGGACTATGAGGAGCAGAACAAGGCCTGTGTCCGAATTTCCATGAG  
ACTCCTCTCCAGCTGCTGGAGAAGTCAAGAATCTTTAATGAAACAAAGAATCTCCTTAAAAAGGACT  
GGAACATTTTTACCAAGAACTGCAACAACAGCTTTGCTAAGTGCTCTAGCCGAGGCCATGTGGAGCAGCA  
TGAGGGATCCTCTGACCCCAAGATCCCTGAGTCTGTCTCCACCTGCTGGTGCCGGGCATCATCCTAGTC  
TTGCTGACTGTTGGGGCCTCCTGTTCTACAAGTGAAGTGGAGGAGCCATCGAGACCCTCAGACATTGG  
ATTCTTCTGTGGGGCGACCAGAGGACAGCTCCCTGACCCAGGATGAGGACAGACAGTGGAACTGCCAGT  
A

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG227487 representing NM\_001113529  
Red=Cloning site Green=Tags(s)

MTARGAAGRCPSSTWLGSRLLLVLCLMSRSIAKEVSEHCSHMIGNHGLKVLQQLIDSQMETSCQIAFEFV  
 DQEQLDDPVCYLKKAFFLVQDIIDETMRFKDNTPNANATERLQELSNLNSCFTKDYEEQNKACVRTFHE  
 TPLQLLEKIKNFNETKNLLEKDNWIFTKNCNNSFAKSSRGHVEQHEGSSDPQIPESVFHLLVPGIILV  
 LLTVGGLLFYKWKWRSHRDPQTLDSSVGRPEDSSLTQDEDQVELPV

TRTRPLE - GFP Tag - V

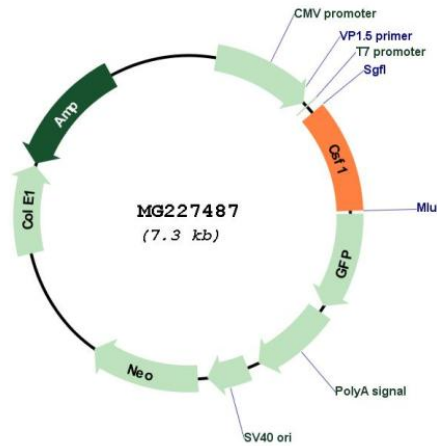
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001113529

**ORF Size:** 771 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>RefSeq:</b>	<a href="#">NM_001113529.1</a> , <a href="#">NP_001107001.1</a>
<b>RefSeq Size:</b>	3307 bp
<b>RefSeq ORF:</b>	774 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>