

## Product datasheet for **RG213103**

### M-CSF (CSF1) (NM\_172210) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	M-CSF (CSF1) (NM_172210) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	M-CSF
Synonyms:	CSF-1; MCSF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213103 representing NM_172210 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCGCGCGGGCGCCCGGGCGCTGCCCTCCCACGACATGGCTGGGCTCCCTGCTGTTGTTGGTCT  
GTCTCCTGGCGAGCAGGAGTATCACCGAGGAGGTGTCGGAGTACTGTAGCCACATGATTGGGAGTGGACA  
CCTGCAGTCTCTGCAGCGGCTGATTGACAGTCAAGTGGAGACCTCGTGCCAAATTACATTTGAGTTTGT  
GACCAGGAACAGTTGAAAGATCCAGTGTGTACCTTAAGAAGGCATTTCTCTGGTACAAGACATAATGG  
AGGACACCATGCGCTTCAGAGATAACACCCCAATGCCATCGCCATTGTGCAGCTGCAGGAATCTCTTT  
GAGGCTGAAGAGCTGCTTACCAAGGATTATGAAGAGCATGACAAGGCCTGCGTCCGAATTTCTATGAG  
ACACCTCTCCAGTTGCTGGAGAAGTCAAGAATGTCTTTAATGAAACAAAGAATCTCCTTGACAAGGACT  
GGAATATTTTCAGCAAGAAGTCAACAACAGCTTTGCTGAATGCTCCAGCCAAGATGTGGTGACCAAGCC  
TGATTGCAACTGCCTGTACCCCAAGCCATCCCTAGCAGTGACCCGGCCTCTGTCTCCCTCATCAGCCC  
CTCGCCCCCTCCATGGCCCTGTGGCTGGCTTACCTGGGAGGACTCTGAGGGAAGTGGGGCAGCTCCC  
TCTTGCTGGTGAGCAGCCCTGCACACAGTGGATCCAGGCAGTGCCAAGCAGCGCCACCCAGGAGCAC  
CTGCCAGAGCTTTGAGCCGCCAGAGACCCAGTTGTCAAGGACAGCACCATCGTGGCTCACCACAGCT  
CGCCCCCTGTGCGGGCCTTCAACCCGGGATGGAGGATATTCTTGACTGCAATGGGCACTAATTGGG  
TCCCAGAAGAAGCCTCTGGAGAGGCCAGTGAGATTCCCGTACCCCAAGGGACAGAGCTTTCCCCCTCCAG  
GCCAGGAGGGGAGCATGCAGACAGAGCCCGCCAGACCCAGCAACTTCTCTCAGCATCTTCTCCACTC  
CCTGCATCAGCAAAGGGCCAACAGCCGGCAGATGTAAGTGGCCATGAGAGGCAGTCCGAGGGATCTCCA  
GCCCCGAGCTCCAGGAGTCTGTCTTCCACTGCTGGTGCCAGTGTATCCTGGTCTTGCTGGCCGTCGG  
AGGCTCTTGTCTACAGGTGGAGGCGGCGGAGCCATCAAGAGCCTCAGAGAGCGGATTCTCCCTGGAG  
CAACCAGAGGGCAGCCCCCTGACTCAGGATGACAGACAGGTGGAAGTCCAGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**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\\_172210.2](#)

**RefSeq Size:** 1519 bp

**RefSeq ORF:** 1317 bp

**Locus ID:** 1435

**UniProt ID:** [P09603](#)

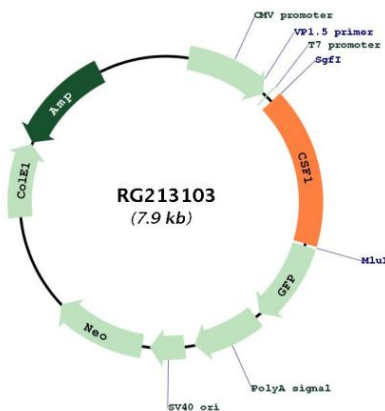
**Cytogenetics:** 1p13.3

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane

**Protein Pathways:** Cytokine-cytokine receptor interaction, Hematopoietic cell lineage

**Gene Summary:** The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of macrophages. The active form of the protein is found extracellularly as a disulfide-linked homodimer, and is thought to be produced by proteolytic cleavage of membrane-bound precursors. The encoded protein may be involved in development of the placenta. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]

### Product images:



Circular map for RG213103