

Specifications:

Gene:	mCsf1
Accession:	NP_031804
Insert size:	1672bp
Concentration:	10µg at 0.2µg/µL

mM-CSF cDNA Plasmid

Csf1 colony stimulating factor 1 (macrophage) [*Mus musculus* (house mouse)]

Also known as: op; Csfm; MCSF; C87615

Summary:

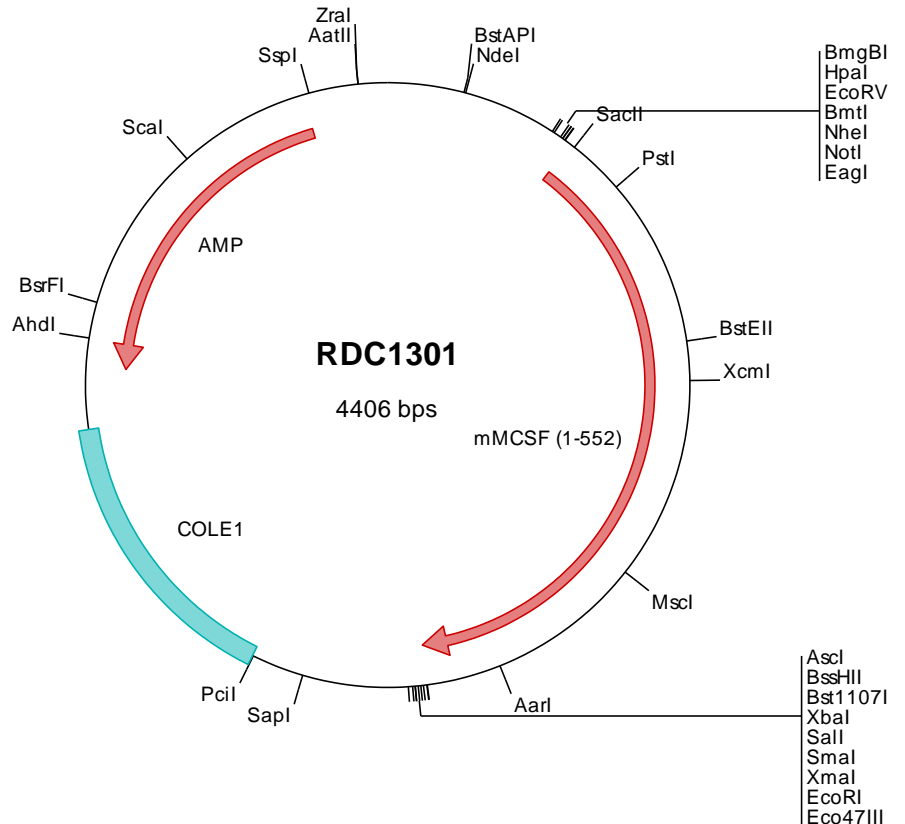
MSCF is a cytokine that controls the production, differentiation, and function of macrophages. MSCF is also essential for the survival and proliferation of osteoclast progenitors. The active form of MSCF is found extracellularly as a disulfide-linked homodimer, and is thought to be produced by proteolytic cleavage of membrane-bound precursors. MSCF may be involved in development of the placenta. Alternatively spliced transcripts encoding different proteins have been described.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.





> RDC1301 Plasmid DNA Sequence

1 tcgctggctt cggatgatgac ggtgaaaacc tetgacacat gcaactcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcy gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgccc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taacccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt tttccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggatccgata tetgtagcgc ggccgcccac atgaccgccc gggggcggcg gggggcgtgc ccttcttoga catggctggg
501 ctcccggtcg ctgctggtct gtctctcat gagcaggagt attgccaagg aggtgtcaga aactgttagc cacatgatgg ggaatggaca cctgaaggtc
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4401 ttcgctc

> RDC1301 Translated Insert Sequence

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201 dpasaphqp papsmaplag lawddsqrte gssllpselp lriedpgsak qrprrstcqt lesteqpnhg drltdsqph psaggpvpgv edilesslgt
301 nwwleasge aseflltqea kfspsptvvg siqaetdrpr alsaspfpks tedqkpvdit drpltevnpm rpiggtqntt pektdgtstl redhpeqgsp
401 hiatpnpqrsv snsatpvaql llpkshswgi vlplgelegk rstrdrsrpa eleggsaseg aarpvarfns ipltdtghve qhegssdpqi pesvfhllyp
501 giilvllytv gllfykwkwr shrpqtldls svgrpedssl tqdedrqlvel pv