

## Product datasheet for **TP723754**

### Csf1 (NM\_001113530) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse colony stimulating factor 1 (macrophage) (Csf1), transcript variant 3
Species:	Mouse
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Mouse M-CSF, the region of Lys33-Glu262, from gene Accession# NM_001113530.1
Tag:	Tag Free
Predicted MW:	28.2 kDa
Concentration:	lot specific
Purity:	>98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	1 x PBS
Bioactivity:	The ED50 is 2 - 6 ng/ml, corresponding to a specific activity of 1.6 - 5 x 10 <sup>5</sup> units/mg, determined by M-NFS60 cell proliferation induced by mouse M-CSF in a dose dependent manner.
Endotoxin:	Less than 0.01 ng per µg protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	<u><a href="#">NP_001107002</a></u>
Locus ID:	12977
UniProt ID:	<u><a href="#">P07141</a></u>
RefSeq Size:	2324
Cytogenetics:	3 46.83 cM
RefSeq ORF:	1656


[View online »](#)

**Synonyms:** C87615; Csfm; MCSF; op

**Summary:** 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. [UniProtKB/Swiss-Prot Function]

**Product images:**

