

Product datasheet for **TP723289**

Csf1 (NM_001113529) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse colony stimulating factor 1 (macrophage) (Csf1), transcript variant 2.
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MKEVSEHCSH MIGNGHLKVL QQLIDSQMET SCQIAFEFVD QEQLDDPVCY LKKAFFLVQD IIDETMRFKD NTPNANATER LQELSNLNS CFTKDYEEQN KACVRTFHET PLQLLEKIKN FFNETKNLLE KDOWNIFTKNC NNSFAKCSSR DVWTKP
Tag:	Tag Free
Predicted MW:	36.4 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	The ED50 as determined by the dose-dependent stimulation of the proliferation of M-NFS-60 cells is > 1.0 ng/ml, corresponding to a specific activity of > 1 x 10 ⁶ units/mg.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_031804
Locus ID:	12977
UniProt ID:	P07141
RefSeq Size:	3307
Cytogenetics:	3 46.83 cM
RefSeq ORF:	771
Synonyms:	C87615; Csfm; MCSF; op



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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: