

## Product datasheet for **TP723288**

### M-CSF (CSF1) (NM\_172212) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human colony stimulating factor 1 (macrophage) (CSF1), transcript variant 4.
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MEEVSEYCSH MIGSGHLQSL QRLIDSQMET SCQITFEFVD QEQLKDPVCY LKKAFLLVQD IMEDTMRFRD NTPNAIAIVQ LQELSLRLKS CFTKDYEEHD KACVRTFYET PLQLLEKVKVNFNETKNLLD KDOWNIFSKNC NNSFAECSSQ GHERQSEGS
Tag:	Tag Free
Predicted MW:	36.8 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:	ED50 was determined by the dose-dependent stimulation of the proliferation of murine M-NSF-60 cells < 1 ng/ml, corresponding to a specific activity of > 1 x 10 <sup>6</sup> 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:	<a href="#">NP_757351</a>
Locus ID:	1435
UniProt ID:	<a href="#">P09603</a>
RefSeq Size:	2772
Cytogenetics:	1p13.3
RefSeq ORF:	1662
Synonyms:	CSF-1; MCSF



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**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]

**Protein Families:**

Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane

**Protein Pathways:**

Cytokine-cytokine receptor interaction, Hematopoietic cell lineage

**Product images:**