

Product datasheet for **TP723739**

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:	HEK293
Expression cDNA Clone or AA Sequence:	Human M-CSF, the region of Glu33-Ser190, from gene Accession# NM_172212.2
Tag:	Tag Free
Predicted MW:	20.6 kDa
Concentration:	lot specific
Purity:	>98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	1 x PBS
Bioactivity:	The ED50 is 0.5 - 2 ng/ml, corresponding to a specific activity of 0.5 - 2 x 10 ⁶ units/mg, determined by M-NFS60 cell proliferation induced by human 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:	NP_757351
Locus ID:	1435
UniProt ID:	P09603 , A0A024R0A1
RefSeq Size:	2772
Cytogenetics:	1p13.3
RefSeq ORF:	1662


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Synonyms: CSF-1; MCSF

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