

M-CSF/CSF-1/MGI-IM, Mouse, Recombinant

Cat. No. : PCK303

General Information

Synonyms	CSF-1;MGI-IM
Species	Mouse
Expression host	E.coli
Sequence	MKEVSEHCSHMIGNGHLKVLQQLIDSQMETSCQIAFEFVDQEQLDDPVCYLKKAFFLVQDIIDE TMRFKDNTPNANATERLQELSNLNSCFTKDYEENKACVRTFHETPLQLLEKIKNFFNETKNL LEKDWNIFTKNCNSFAKCSSRDVVTKP with polyhistidine tag at the C-terminus
Accession	P07141
Tag	His-tag at the C-terminus
Mol mass	19.02 kDa
Expiration date	12 months
Bio activity	Measure by its ability to induce proliferation in NFS-60 cells. The ED ₅₀ for this effect is <6 ng/mL.

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

Macrophage Colony-Stimulating Factor (M-CSF) is a 19.02 kDa hematopoietic Growth Factors with 162 amino acid residues. The active form of the protein is homodimer, and secreted by osteoblasts. M-CSF controls the production, differentiation, and function of monocytes, macrophages, and bone marrow progenitor cells. M-CSF is able to activate CSF-1 signaling pathway via binding its receptor CSF-1R.

SDS-PAGE

