

Product Datasheet

Recombinant Human Macrophage Colony Stimulating Factor (rHuM-CSF) (orb1495033)

Description	M-CSF, also known as CSF-1, is a four α helical bundle cytokine that is the primary regulator of macrophage survival, proliferation and differentiation. M-CSF is also essential for the survival and proliferation of osteoclast progenitors. M-CSF also primes and enhances macrophage killing of tumor cells and microorganisms, regulates the release of cytokines and other inflammatory modulators from macrophages, and stimulates pinocytosis.
Endotoxins	Less than 1EU/mg of rHuM-CSF as determined by LAL method.
Preservatives	Lyophilized from a 0.2mm filtered solution in 20mM PB, containing 1% HSA and 3% Mannitol.
Form/Appearance	Lyophilized from a 0.2mm filtered solution in 20mM PB, containing 1% HSA and 3% Mannitol.
Storage	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.
Note	For research use only
Application notes	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water to a concentration of 0.1 mg/mL. Stock solutions should be apportioned into working aliquots and stored at -20°C. Further dilutions should be made in appropriate buffered solutions.
Protein Sequence	EEVSEYCSHM IGSGHLQSLQ RLIDSQMETS CQITFEFVDQ EQLKDPVCYL KKAFLLVQDI MEDTMRFRDN TPNAIAIVQL QELSLRLKSC FTKDYEEHDKACVRTFYETP LQLEKVKNV FNETKNLLDK DWNIFSKNCN NSFAECSSQ
Purity	> 95% by SDS-PAGE and HPLC analyses.

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Source	Baculovirus infected Silkworm
MW	Approximately 42.0 kDa, a covalently linked homodimer, of two 21.0 kDa polypeptide monomers (1-149 amino acid of human M-CSF).
Expiration Date	6 months from date of receipt.

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