

Recombinant Mouse Macrophage Colony Stimulating Factor (M-CSF)








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

Revision Date 03 May 2011

Catalog Number:	PMC2044
Quantity:	10 µg
Lot Number:	See product label.
Molecular Weight:	36.4 kDa homodimer, each subunit contains 156 amino acid residues.
Purity:	≥98% by SDS-PAGE and HPLC analyses.
Biological Activity:	ED ₅₀ ≤1.0 ng/mL (corresponding to a specific activity of ≥ 1 × 10 ⁶ units/mg), determined by the dose dependent proliferation of murine M-NFS-60 cells.
Formulation:	Lyophilized from 5 mM Tris, pH 8.0, 100 mM NaCl. Filtered through a 0.2 micron filter prior to lyophilization.
Endotoxin:	<0.1 ng/µg
Production:	Produced in <i>E. coli</i> and purified by sequential chromatography.
Reconstitution Recommendation:	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 0.1–0.5 mg/mL. <i>Do not vortex</i> . This solution can be stored at 2°C to 8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein, such as 0.1% BSA and store in working aliquots at –80°C to –20°C
Suggested Working Dilutions:	The optimal concentration should be determined for each specific application.
Storage:	The lyophilized protein is stable at room temperature for 1 month, but should be kept at –20°C for long term storage. Working aliquots stored with a carrier protein are stable for at least 3 months at –80°C to –20°C. Avoid repeated freeze/thaw cycles.
Expiration Date:	See product label.
References:	Arceci, R.J., et al. (1992) Expression of CSF-1/c-fms and SF/c-kit mRNA during preimplantation mouse development. <i>Dev. Biol.</i> 151(1)1–8. Lin, E.Y., et al. (2006) Macrophages regulate the angiogenic switch in a mouse model of breast cancer. <i>Cancer Res.</i> 66(23):11238–11246.

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description
	Catalog Number
	Research Use Only
	Use by
	Manufacturer
	Without, does not contain
	Protect from light
	Directs the user to consult instructions for use (IFU), accompanying the product.

Symbol	Description
	Batch code
	In vitro diagnostic medical device
	Temperature limitation
	European Community authorized representative
	With, contains
	Consult accompanying documents

Limited Use Label License: Research Use Only

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For Research Use Only. Caution: Not for human or animal therapeutic or diagnostic use.

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