

Active Recombinant Human M-CSF Protein

Cat. No. MCSF-368H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human M-CSF Protein is produced by Human Cells expression system. Structure: Glycosylated homodimer.
Species	Human
Source	Human Cells
Description	M-CSF (Macrophage Colony stimulating Factor) is a hematopoietic stem cell factor and produced by various cell types including lymphocytes, fibroblasts, endothelial cells, myoblasts, monocytes, and osteoblasts. It is involved in the proliferation, differentiation, and survival of monocytes, macrophages, and bone marrow progenitor cells. Recombinant human M-CSF is a 35-40 kDa homodimeric and glycosylated.
Form	Lyophilized from a 0.2µm filtered solution in PBS without carrier protein
Bio-activity	The activity was measured by its ability to stimulate the proliferation of murine M-NFS-60 cells (Mouse Myeloid Leukemia indicator cell line).
Molecular Mass	35-40 kDa
Endotoxin	<0.5EU/ug
Purity	>95% by SDS-PAGE
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12

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months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -80 centigrade under sterile conditions after reconstitution.

Reconstitution

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

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