

Recombinant Murine M-CSF

CATALOG #:	4238-10	10 µg
	4238-50	50 µg
	4238-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg of M-CSF.	
MOL. WEIGHT:	36.4 kDa	
FORM:	Sterile filtered and then lyophilized from 5 mM Tris, pH 8.0 + 100 mM NaCl.	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other buffers and stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

The lyophilized M-CSF is best-stored desiccated below 0°C. Reconstituted M-CSF should be stored in working aliquots at -20°C.

DESCRIPTION:

Macrophage Colony Stimulating Factor (M-CSF) is produced by various cell types, including fibroblasts, microphages, and endothelial cells. M-CSF is involved in both the development and function of monocytes/microphages. The recombinant M-CSF is a disulfide-linked homodimer composed of two 18.2 kDa subunits of 156 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of murine M-NSF-60 cells is ≤1.0 ng/ml, corresponding to a specific activity of ≥1 x 10⁶ units/mg.

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