

Macrophage-Colony Stimulating Factor Mouse Recombinant

Item Number	rAP-2150
Synonyms	CSF-1, Lanimostim, MCSF, M-CSF.
Description	Macrophage Colony Stimulating Factor Mouse Recombinant produced in E.coli is a disulfide linked homodimer, non-glycosylated, polypeptide chain containing 2 x 156 amino acids and having a total molecular mass of 36.4 KD.MCSF is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P07141
Amino Acid Sequence	MKEVSEHCSH MIGNGHLKVL QQLIDSQMET SCQIAFEFVD QEQLDDPVCY LKKAFFLVQD IIDETMRFKD NTPNANATER LQELSNLNS CFTKDYEEQN KACVRTFHET PLQLLEKIKN FFNETKNLLE KDWNIPTKNC NNSFAKCSSR DVVTKP.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized M-CSF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MCSF should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.
Formulation and Purity	The protein was lyophilized with 0.5xPBS, pH 8.0. Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized M-CSF in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50, as calculated by the dose-dependant stimulation of the proliferation of murine M-NFS-60 indicator cells is typically 1.1-1.6ng/ml corresponding to 909,090-625,000 U/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**