

Mouse M CSF Recombinant Protein



RPPB0753

Product Information Protein Information

Product SKU:

RPPB0753

Accession:

P07141

Host:

Escherichia Coli.

Protein 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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

CSF-1, Lanimostim, MCSF, M-CSF.

Formulation:

The protein was lyophilized from a sterile (0.2µm) filtered solution containing 10mM sodium phosphate, 50mM sodium chloride, pH 7.5.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

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.

Stability:

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.

Amino Acid Sequence:

MKEVSEHCSH MIGNGHLKVL QQLIDSQMET SCQIAFEFVD QEQLDDPVCY LKKAFFLVQD IIDETMRFKD
NTPNANATER LQELSNLNS CFTKDYEEQN KACVRTFHET PLQLEKIKN FFNETKNLLE KDWNIFTKNC
NNSFAKCSSR DVVTKP.

Biological Activity:

The ED₅₀, as calculated by the dose-dependant stimulation of the proliferation of murine M-NFS-60 indicator cells is 1.33ng/ml corresponding to a specific activity of 7.5x10⁵ units/mg.