

Human M CSF Recombinant Protein



RPPB0748

Product Information Protein Information

Product SKU:

RPPB0748

Accession:

P09603

Host:

Escherichia Coli.

Protein description:

Macrophage Colony Stimulating Factor Human Recombinant produced in E.coli is a disulfide linked homodimer, non-glycosylated, polypeptide chain containing 2 x 159 amino acids and having a total molecular mass of 37.1 KD. MCSF is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Macrophage Colony Stimulating Factor, CSF-1, Lanimostim, MCSF, MGC31930, M-CSF.

Formulation:

The MCSF protein was lyophilized with 10mM sodium Phosphate, pH-8.0 & 50mM NaCl.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized MCSF in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized MCSF 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:

MEEVSEYCSH MIGSGHLQSL QRLIDSQMET SCQITFEFVD QEQLKDPVCY LKKAFLLVQD IMEDTMRFRD
NTPNAIAIVQ LQELSLRLKS CFTKDYEHD KACVRTFYET PLQLEKVKV VFNETHNLLD KDOWNIFSKNC
NNSFAECSSQ GHERQSEGS.

Biological Activity:

The ED₅₀, calculated by the dose-dependent stimulation of the proliferation of murine M-NFS-60 indicator cells was found to be 1.15ng/ml corresponding to a specific activity of 8.7x10⁵ Units/mg.