ACTIVE BIOSCIENCE
PROTEINS · CELLS · ANTIBODIES

Human M-CSF

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
2 µg	1675.950.002		
10 µg	1675.950.010		
50 µg	1675.950.050		
2 x 50 µg	1675.950.100		
1 mg	1675.950.199		

Please enquire for bulk quantities and other vial sizes.

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 36.8 KD.

- **Source** *E. coli*
- **Purity** ≥ 97 % (SDS-PAGE, RP-HPLC)
- **Endotoxin Level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** The MCSF protein was lyophilized with 10mM sodium Phosphate, pH -8.0 & 50mM NaCl*
- **Physical State** Sterile filtered, lyophilized

Biological Activity

The ED_{50}, calculated by the dose-dependent stimulation of the proliferation of murine M-NFS-60 indicator cells was found to be < 1.4-2.1 ng/ml.

Reconstitution

It is recommended to reconstitute the lyophilized MCSF in sterile 18M-cm H_2O 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 avoid repeated freeze-thaw cycles.

Amino Acid Sequence

MEEVSEYCSH MIGSGHLQSL QRLIDSQMET SCQITFEFVD QEQLKDPVCY LKKAFLLVQD IMEDTMRFRD NTPNAIAIVQ LQELSLRLKS CFTKDYEEHD KACVRTFYET PLQLLEKVKN VFNETKNLLD KDWNIFSKNC NNSFAECSSQ GHERQSEGS

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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