



Recombinant M-CSF

Datasheet

Catalog Number: PR27079

Product Type: Recombinant Protein

Source: *E.Coli*

Amino Acid Sequence: The sequence of the first five N-terminal amino acids was determined and was found to be Met-Glu-Glu-Val-Ser.

Description/Molecular

Mass: Macrophage Colony Stimulating Factor Human Recombinant produced in E.coli is a disulfid linked homodimer, non-glycosylated, polypeptide chain containing 2 x 159 amino acids and having a total molecular mass of 36.8 KD. M-CSF is purified by proprietary chromatographic techniques.

Purity: Greater than 97.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Biological Activity/Protein Uses: The ED50, calculated by the dose-dependant stimulation of the proliferation of murine M-NFS-60 indicator cells was found to be < 2.0ng/ml.

Format: The protein was lyophilized with 5mM NaP, pH-8.0 & 100mM NaCl.

Reconstitution: 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.

Storage: Lyophilized Macrophage Colony Stimulating Factor although stable at room temperature for 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.

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