

Product: Macrophage Colony Stimulating Factor, Human, Recombinant
Catalog #: 11-MCSF-H
Amount: 5 µg

DESCRIPTION: Recombinant Human Macrophage Colony Stimulating Factor (rHuMCSF)
rHuMCSF 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
The sequence of the first five N-terminal amino acids was determined and was found to be Met-Glu-Glu-Val-Ser.

SOURCE: *E.Coli* Expression System

PURITY: Greater than 98.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHuMCSF

DIMERS & AGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis

FORM: Purified

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm
2. Analysis by RP-HPLC, using a calibrated solution of human MCSF as a Reference Standard.

STORAGE: -20°C (aliquot), avoid repeated freeze and thaw cycles.

BIOLOGICAL ACTIVITY: rHuMCSF is fully biologically active when compared to standards.
The ED50, calculated by the dose-dependant stimulation of the proliferation of murine M-NFS-60 indicator cells was found < 5ng/ml, corresponding to a Specific Activity of 2 x 10⁵ IU/mg

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