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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Macrophage Colony Stimulating Factor, His Tag, human recombinant (rHuM-CSF-His)

Catalog No: 97310
Lot No: XXXXX
Source: *E. coli*
Synonyms: CSF-1, Lanimostim, MCSF, MGC31930, M-CSF

Background

Granulocyte/Macrophage Colony-Stimulating Factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. CSF-1 induces cells of the monocyte/macrophage lineage. It plays a role in immunological defenses, bone metabolism, lipoproteins clearance, fertility and pregnancy.

Description

Macrophage Colony Stimulating Factor human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 179 amino acids (33-190) and having a total molecular mass of 20.7 kDa. MCSF is fused to a 20 amino acid His Tag at N-terminus and is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The MCSF protein solution contains 20 mM Tris-HCl, pH 8, 2 mM DTT and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SGLVPRGSH MEEVSEYCSH MIGSGHLQSL QRLIDSQMET SCQITFEFVD QEQLKDPVCY LKKAFLLVQD
IMEDTMRFRD NTPNAIAIVQ LQELSLRLKS CFTKDYEEDH KACVRTFYET PLQLLEKVKV VFNETKNLLD KDNIFSKNC
NNSFAECSSQ DVVTKPDCN

Usage

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