

## M CSF Human, His

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

**Catalog #:** CYPs-702

For research use only.

**Synonyms:** CSF-1, Lanimostim, MCSF, MGC31930, M-CSF.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MEEVSEYCSH MIGSGHLQSL  
QRLDSQMET SCQITFEFVD QEQLKDPVCY LKKAFLVQD IMEDTMRFRD NTPNAIAIVQ  
LQELSLRLKS CFTKDYEEHD KACVRTFYET PLQLLEKVKV VFNETKNLLD KDOWNIFSKNC  
NNSFAECSSQ DVVTKPDCN.

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

The MCSF protein solution contains 20mM Tris-HCl, pH-8, 2mM DTT & 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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

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.

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