

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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