

## M CSF Human, HEK

**Description:** M-CSF Human Recombinant produced in HEK cells is a glycosylated homodimer, having a molecular weight range of 35-40kDa due to glycosylation. The M-CSF is purified by proprietary chromatographic techniques.

**Catalog #:** CYPs-113

**Synonyms:** Macrophage Colony Stimulating Factor, CSF-1, Lanimostim, MCSF, MGC31930, M-CSF.

For research use only.

**Source:** HEK.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Purity:** Greater than 95% as observed by SDS-PAGE.

**Formulation:**

The M-CSF was lyophilized from 1mg/ml in 1xPBS.

**Stability:**

Lyophilized M-CSF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution M-CSF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolabs 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.

**Solubility:**

It is recommended to reconstitute the lyophilized M-CSF in sterile water not less than 100

**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. MCSF induces cells of the monocyte/macrophage lineage. MCSF plays a role in immunological defenses, bone metabolism, lipoproteins clearance, fertility and pregnancy.

**Biological Activity:**

The specific activity was determined by the dose-dependent stimulation of the proliferation of murine M-NFS-60 cells (Mouse Myeloid Leukemia indicator cell line) and is typically 0.5-4ng/ml.

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