

Recombinant Human

M-CSF (Macrophage Colony-Stimulating Factor)

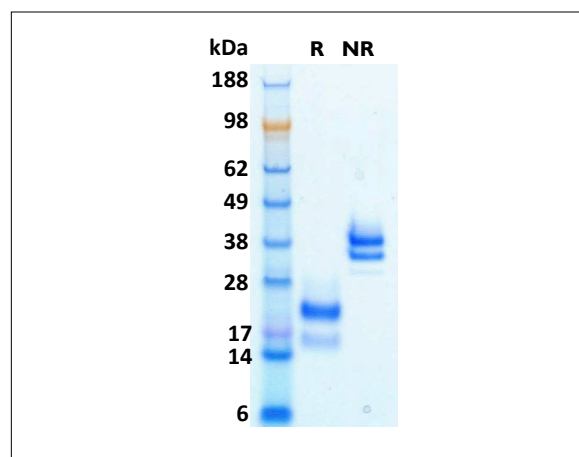
Product Description

- Endotoxin-free
- Animal-derived product free
- Available in Bulk
- Lyophilized and Carrier Free (CF)
- Authentic Glycosylated Homodimer

Xeno-free M-CSF is expressed in human 293 cells and has an apparent molecular mass of 35 to 40 kDa due to glycosylation. M-CSF is a potent hematopoietic factor produced by a variety of cells including lymphocytes, monocytes, fibroblasts, endothelial cells, myoblasts, and osteoblasts. It is a key regulator of cellular proliferation, differentiation, and survival of blood monocytes, tissue macrophages, and their progenitor cells. This cytokine is produced in a human cell expression system with serum-free, chemically defined media.



All HumaXpress® HumanKine™ cytokines are animal-component-free and Xeno-free™



Typical Specifications

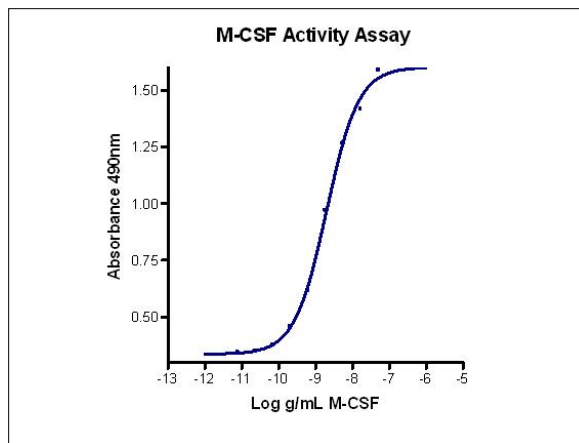
Species	Human
Expression	HEK293 Cell Expressed
Activity	Typically ≤ 4 ng/mL EC ₅₀
Purity	>95%
Endotoxin	<1 EU/ μ g
Molecular Mass	35 and 40 kDa, homodimer, glycosylated
Formulation	1x PBS

Purity Confirmation

The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

Activity Assay

The activity was determined by the dose-dependent stimulation of the proliferation of murine M-NFS-60 cells (Mouse Myeloid Leukemia indicator cell line).



Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

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