

# Human M-CSF Recombinant Protein

## Product Details

Size	100 µg
Species	Human
Published Species	Human, Mouse
Expression system	HEK293 cells
Molecular weight	38 kDa
Class	Recombinant
Type	Protein
Purity	>95% by SDS-PAGE
Endotoxin concentration	<0.1 ng/µg
Activity	ED50 5 ng/mL; determined by the dose-dependent proliferation of M-NSF60 cells.
Conjugate	Unconjugated
Form	Lyophilized
Purification	sequential chromatography
Contains	no preservative
Storage conditions	4° C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	5 Publications
Control (Ctrl)	Assay-dependent	-

## Product Specific Information

**Reconstitution:** Lyophilized human M-CSF should be reconstituted in 20mM Tris-HCl, pH 8.0 to a concentration of 0.1-1.0 mg/mL. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein, such as 0.1% BSA and store in working aliquots at -20°C to -80°C.

**Storage:** Lyophilized human M-CSF should be stored at 2°C to 8°C, preferably desiccated. Store reconstituted human M-CSF at -20°C (not in a frost-free freezer). Keep freeze-thaw cycles to a minimum.

## Functional Assay (5)

Molecular therapy. Nucleic acids

### FABP4 facilitates inflammasome activation to induce the Treg/Th17 imbalance in preeclampsia via forming a positive feedback with IL-17A.

Authors: Chang GP,Yang XL,Liu W,Lin S,Yang SL,Zhao MY

Year  
2021

Species  
Human

Dilution  
50 ng/mL

Stem cell reports

### Neuroinflammation and EIF2 Signaling Persist despite Antiretroviral Treatment in an hiPSC Tri-culture Model of HIV Infection.

Authors: Ryan SK,Gonzalez MV,Garifallou JP,Bennett FC,Williams KS,Sotuyo NP,Mironets E,Cook K,Hakonarson H,Anderson SA,Jordan-Sciutto KL

Year  
2020

Species  
Human

Dilution  
25 ng/mL

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