

# Mouse MCSF/CSF-1, C-His Tag (ECD) Protein

HA210725



<b>Product name:</b>	Mouse MCSF/CSF-1, C-His Tag (ECD)
<b>Species reactivity:</b>	Mouse
<b>Bio-Activity:</b>	Measured in a cell proliferation assay using M NFS 60 mouse myelogenous leukemia lymphoblast cells. The ED50 for this effect is 0.5-3 ng/mL
<b>Protein construction description:</b>	A DNA sequence encoding the mouse MCSF/CSF-1 protein (P07141) (Lys 33-Glu 262) was expressed with a His tag at the C-terminus.
<b>Background:</b>	Cytokine that plays an essential role in the regulation of survival, proliferation and differentiation of hematopoietic precursor cells, especially mononuclear phagocytes, such as macrophages and monocytes. Promotes the release of pro-inflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. Plays an important role in the regulation of osteoclast proliferation and differentiation, the regulation of bone resorption, and is required for normal bone development. Required for normal male and female fertility. Promotes reorganization of the actin cytoskeleton, regulates formation of membrane ruffles, cell adhesion and cell migration. Plays a role in lipoprotein clearance.
<b>Purity:</b>	>95% as determined by SDS-PAGE.
<b>Endotoxin:</b>	Less than 1.0 EU per µg by the LAL method.
<b>Fragment region:</b>	MCSF/CSF-1 (33-262)
<b>Source:</b>	HEK293
<b>Accession:</b>	P07141
<b>Predicted molecular mass:</b>	27.4 kD
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
<b>Reconstitution:</b>	Reconstitute at 250 µg/ml in sterile water.
<b>Storage:</b>	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

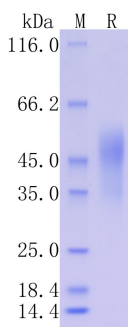
Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

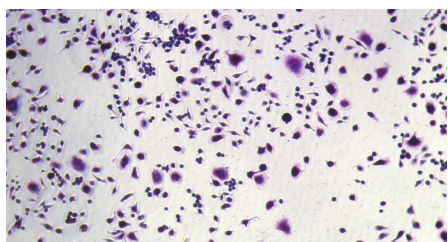
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Service mail: support@huabio.cn

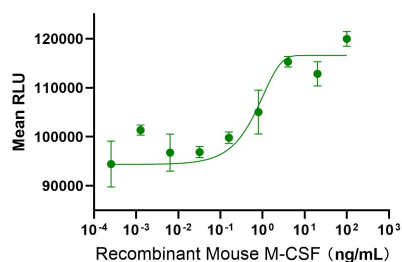
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**Fig1:** Protein on SDS-PAGE under reducing (R) condition.



**Fig2:** 40ng/mL Recombinant Mouse M-CSF (Catalog # HA210725) and 50ng/mL Recombinant Mouse TRANCE/TNFSF11/RANK L (Catalog # HA210603) induces osteoclast differentiation of the mouse bone marrow cell at day4.



**Fig3:** Measured in a cell proliferation assay using MNFS 60 mouse myelogenous leukemia lymphoblast cells. The ED50 for this effect is 0.5-3 ng/mL.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".