

Recombinant Protein Technical Manual Recombinant Mouse M-CSF/CSF1 Protein (Active)

RPES2314

Product Data:

Product SKU: RPES2314	<b>Size:</b> 10µg
Species: Mouse	Expression host: Human Cells

**Uniprot:** P07141

## **Protein Information:**

Molecular Mass:	26.0 kDa
AP Molecular Mass:	37-80 kDa, reducing condition
Tag:	
Bio-activity:	Measured in a cell proliferation assay using M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED50 for this effect is 0.04-0.2 ng/ml.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU per $\mu g$ as determined by the LAL method.
Storage:	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping:	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation:	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH7.4.
Reconstitution:	Please refer to the printed manual for detailed information.
Application:	Cell Culture
Synonyms:	Macrophage colony-stimulating factor 1;CSF;MCSF;Csf1;Csfm

## Sequence: Lys33-Glu262

## Background:

Macrophage colony-stimulating factor 1 (M-csf) is a single-pass type I membrane protein . It is a hematopoietic growth factor that is involved in the proliferation, differentiation, and survival of monocytes, macrophages, and bone marrow progenitor cells. M-CSF affects macrophages and monocytes in several ways, including stimulating increased phagocytic and chemotactic activity, and increased tumour cell cytotoxicity. The role of M-CSF is not only restricted to the monocyte/macrophage cell lineage. By interacting with its membrane receptor, M-CSF also modulates the proliferation of earlier hematopoietic progenitors and influence numerous physiological processes involved in immunology, metabolism, fertility and pregnancy.