

Datasheet for ABIN2018209

M-CSF/CSF1 Protein (AA 33-187)**2** Images[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	M-CSF/CSF1 (CSF1)
Protein Characteristics:	AA 33-187
Origin:	Mouse
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50< 3 ng/mL, measured in a cell proliferation assay using Murine M-NFS-60 cells, corresponding to a specific activity of > 3.3×10 ⁵ units/mg.
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	M-CSF/CSF1 (CSF1)
Alternative Name:	Macrophage Colony Stimulating Factor (M-CSF) (CSF1 Products)
Background:	Macrophage-Colony Stimulating Factor (M-CSF), also known as Colony Stimulating Factor-1 (CSF-1), can stimulate the survival, proliferation and differentiation of mononuclear phagocytes, in addition to the spreading and motility of macrophages[1]. M-CSF is mainly produced by monocytes, macrophages, fibroblasts, and endothelial cells[2]. M-CSF interaction with its

Target Details

	receptor, c-fms, has been implicated in the growth, invasion, and metastasis of of several diseases, including breast and endometrial cancers [1][3][4] .
	Synonyms: CSF1, CSF-1, MCSF
Molecular Weight:	35-44 kDa, observed by non-reducing SDS-PAGE.
UniProt:	Q3U4F9
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant murine Macrophage-Colony Stimulating Factor (M-CSF) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, rmM-CSF should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.
Expiry Date:	6 months

Images



SDS-PAGE

Image 1. 5 µg of M-CSF, Mouse was resolved with SDS-PAGE under reducing (R) and non-reducing (N) conditions and visualized by Coomassie Blue staining.

Activity Assay

Image 2. M-CSF, Mouse stimulates cell proliferation of M-NFS-60 cells. The ED50 for this effect is less than 3ng/mL (2.97ng/mL).

