

M-CSF/CSF1, Rat, Recombinant

Cat. No. : PCK044

产品信息

别名	Macrophage colony-stimulating factor 1; CSF-1; M-CSF; MCSF; CSF1
物种	Rat
表达宿主	Human Cells
序列信息	Glu33-Arg254
检索号	Q8JZQ0
分子量	25.2 kDa
有效期	12 months

产品特性

内毒素	< 1.0 EU per 1 µg as determined by LAL test.
保存	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
运输	Ambient temperature or ice pack.
制剂	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
复溶	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

背景介绍

Rat Macrophage colony-stimulating factor 1 (MCSF, CSF1) is a single-pass type I membrane cytokine. It is a hematopoietic Growth Factor 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. MCSF promotes the release of proinflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. It is involved in the regulation of osteoclast proliferation and differentiation, the regulation of bone resorption, and is required for normal bone development which for normal male and female fertility. It promotes reorganization of the actin cytoskeleton, regulates formation of membrane ruffles, cell adhesion and cell migration. MCSF also plays a role in lipo Protein clearance.



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