

M-CSF/CSF-1/MGI-IM, Human, Recombinant

货号: PCK042

产品信息

别名 CSF-1, MGI-IM

物种 Human

表达宿主 E.coli

序列信息 MEEVSEYCSHMIGSGHLQSLQRLIDSQMETSCQITFEFVDQEQLKDPVCYLK

KAFLLVQDIMEDTMRFRDNTPNAIAIVQLQELSLRLKSCFTKDYEEHDKAC VRTFYETPLQLLEKVKNVFNETKNLLDKDWNIFSKNCNNSFAECSSQGHER

QSEGS with polyhistidine tag at the C-terminus.

检索号 P09603.2

分子量 13.34 kDa

标签 His-tag at the C-terminus

生物活性 Measure by its ability to induce proliferation in NFS-60 cells. The ED50 for this

effect is <1 ng/mL. The specific activity of recombinant human M-CSF is

approximately >2.5x 10⁸ IU/mg.

产品特性

纯度 >98% as determined by SDS-PAGE. Ni-NTA chromatography

内毒素 <0.1 EU per 1 µg of the protein by the LAL method.

保存 Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution,

store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g.0.1% BSA,10%FBS,5%HSA or 5% trehalose solution),

protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.

运输 Ambient temperature or ice pack.

制剂 The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH

7.4.

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复融

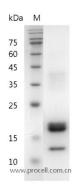
It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μ g/mL.Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

Macrophage Colony-Stimulating Factor (M-CSF), is a secreted cytokine which causes hematopoietic stem cells to differentiate into macrophages or other related cell types. The active form of M-CSF/CSF-1 is found extracellularly as a disulfide-linked homodimer, and is thought to be produced by proteolytic cleavage of membrane-bound precursors. M-CSF/CSF-1 induces cells of the monocyte/macrophage lineage. It also plays a role in immunological defenses, bone metabolism, lipoproteins clearance, fertility and pregnancy. Upregulation of M-CSF/CSF-1 in the infarcted myocardium may have an active role in healing not only through its effects on cells of monocyte/macrophage lineage, but also by regulating endothelial cell chemokine expression.

SDS-PAGE

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