

G-CSF/CSF-3/MGI-1G, Human, Recombinant

货号: PCK040

产品信息

别名 CSF-3, MGI-1G, GM-CSF beta, pluripoietin Pricella

物种 Human

表达宿主 E.coli

序列信息 TPLGPASSLPQSFLLKCLEQVRKIQGDGAALQEKLCATYKLCHPEELVLLG

> HSLGIPWAPLSSCPSQALQLAGCLSQLHSGLFLYQGLLQALEGISPELGPTL DTLQLDVADFATTIWQQMEELGMAPALQPTQGAMPAFASAFQRRAGGVL

VASHLQSFLEVSYRVLRHLAQP with polyhistidine tag at the N-terminus.

检索号 P09919.1

分子量 19.48 kDa

标签 His-tag at the N-terminus

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

effect is <50 pg/mL. The specific activity of recombinant human G-CSF is > 2 x

10^7 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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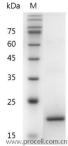
复融

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

背景介绍

G-CSF is a hematopoietic growth factor. It can activate the progress that committed progenitor cells develop to neutrophils and enhance the functional activities of the mature end-cell. It is secreted in response to specific stimulation by a variety of cells, including bone marrow stroma, macrophages, ...poietic endothelial cells and fibroblasts. In clinical treatment, G-CSF is used to facilitate hematopoietic recovery after bone marrow transplantation.

SDS-PAGE



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