

SCF/c-Kit/KIT ligand, Human, Recombinant

货号: PCK019

产品信息

别名 DCUA, DFNA69, FPH2, FPHH, KL-1, Kitl, MGF, SF, SHEP7, SLF, KIT ligand Pricella

物种 Human

表达宿主 E.coli

序列信息 MEGICRNRVTNNVKDVTKLVANLPKDYMITLKYVPGMDVLPSHCWISEMV

> VOLSDSLTDLLDKFSNISEGLSNYSIIDKLVNIVDDLVECVKENSSKDLKKSF KSPEPRLFTPEEFFRIFNRSIDAFKDFVVASETSDCVVSSTLSPEKDSRVSVTK

PFMLPPVA with polyhistidine tag at the C-terminus

检索号 P21583.1

分子量 19.4 kDa

标签 His-tag at the C-terminus

生物活性 Measure by its ability to induce TF-1 cells proliferation. The ED50 for this effect is

<5 ng/mL. The specific activity of recombinant human SCF is $> 5 \times 10^5$ IU/mg.

产品特性

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

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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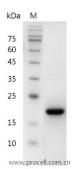
复融

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

Stem Cell Factor (SCF) is a stromal cell- derived cytokine synthesized by fibroblasts and other cell types. SCF promotes proliferation and early differentiation of cells at the level of multipotential stem cells. SCF is a growth factor important for proliferation, and differentiation of hematopoietic stem cells. One of its roles is to change the BFU-E (burst-forming unit-erythroid) cells, which are the earliest erythrocyte precursors in the erythrocytic series, into the CFU-E (colony-forming uniterythroid).

SDS-PAGE



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