

## 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                                                                                                                                                         |
| 物种   | Human                                                                                                                                                                                                                         |
| 表达宿主 | E.coli                                                                                                                                                                                                                        |
| 序列信息 | MEGICRNRVTNNVKDVTKLVANLPKDYMITLK YVPGMDVLP SHCWISEMV<br>VQLSDSLTDLLDKFSNISEGLSNYSIIDKLVNIVDDLVECVKENSSKDLKKSF<br>KSPEPRLFTPEEFFRIFNRSIDAFKDFVVA SETSDCVVSSTLSPEKDSRVSVTK<br>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 x 10 <sup>5</sup> 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.                                                                                                                                                                                                                                |



## 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 unit-erythroid).

## SDS-PAGE

