

SCF/c-Kit/KIT ligand, Human, Recombinant**Cat. No. : GPCK019****产品信息**

物种	Human
表达宿主	E.coli
序列信息	MEGICRNRVTNNVKDVTCLVANLPKDYMITLKYVPGMDVLPSCWISSEMVVQLSDSLTDLLD KFSNISEGLSNYSIIDKLVNIVDDLVECVKENSSKDLKKSFKSPEPRLFTPEEFFRIFNRSIDAFKD FVVASETSDCVVSSTLSPEKDSRVSVTKPFMLPPVA with polyhistidine tag at the C-terminus
检索号	P21583.1
标签	His-tag at the C-terminus
分子量	19.4 kDa
有效期	12 months
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 × 10 ⁵ IU/mg.

产品特性

内毒素 (EU/μg)	< 0.1
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 1 × PBS, pH 7.4.
复溶	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).

