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SCF, 26-189 aa, Mouse, E.coli (Bioactivity Validated)

产品货号: TP03857

第三版

别名: Stem cell factor, Kitl, Clo, Con, contrasted, Gb, Kitlg, Mgf, SF, Sl, SLF, Steel

描述: Stem Cell Factor (SCF) is a glycoprotein that plays a key role in hematopoiesis acting both as a positive and negative regulator, often in synergy with other cytokines. SCF binds to and activates the SCF receptor (SCFR), a receptor tyrosine kinase. SCF stimulates the proliferation of mast cells and is able to augment the proliferation of both myeloid and lymphoid hematopoietic progenitors in bone marrow culture. It also mediates cell-cell adhesion and acts synergistically with other cytokine. Recombinant mouse SCF was expressed in E. coli and purified by conventional column chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

配方: Liquid. In Phosphate buffer saline (pH 7.4) containing 10% glycerol.

分子量: 18 kDa (165 aa), confirmed by MALDI-TOF

序列:

MKEICGNPVTDNVVDITKLVANLPNDYMITLNYVAGMDVLP SHCWLRDMVIQLSLSLTTLLDKFSNISEGLSNYSIIDKLG
KIVDDLVL CMEENAPKNIKESPKRPETRSFTPEEFFSIFNRSIDAFKDFMVASDTSDCVLSSTLGPEKDSRVSVTKPFMLPPVA

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.