



## Recombinant Human Stem Cell Factor (rhSCF)

Catalog Number: 01-0004

<b>Description</b>	Stem Cell Factor (SCF) plays essential roles in gametogenesis, melanogenesis and early stages of hematopoiesis. In <i>in vitro</i> and <i>in vivo</i> , SCF can stimulate the proliferation of mature, as well as the proliferation and maturation of immature, mast cells. On purified primitive human and mouse hematopoietic precursors, SCF acts in a synergistic manner with various growth factors, such as IL-1, IL-3, IL-6, IL-7, and Epo, to induce myeloid, erythroid and lymphoid lineage colony formation.
<b>Synonyms</b>	Mast Cell Growth factor (MGF), c-kit Ligand and Steel-Factor (SLF)
<b>AA sequence</b>	MEGICRNRVT NNVKDVTKLV ANLPKDYMIT LKYVPGMDVL PSHCWISEMV VQLSDSLTDL LDKFSNISEG LSNYSIIDKL VNIVDDLVEC VKENSSKDLK KSFKSPEPRL FTPEEFFRIF NRSIDAFKDF VVASETSDCV VSSTLSPEKD SRVSVTKPFM LPPVA
<b>Source</b>	<i>Escherichia coli</i>
<b>Molecular Weight</b>	Approximately 18.6 kDa, a single non-glycosylated polypeptide chain containing 165 amino acids.
<b>Purity</b>	>98% by SDS-PAGE
<b>Physical Appearance</b>	White lyophilized powder or solution
<b>Formulation</b>	Lyophilized from a 0.2 μ m filtered concentrated solution with 20mM NaAc, pH 5.4
<b>Reconstitution</b>	Reconstitute in sterile distilled water containing 0.1% BSA to a concentration of 0.1-1.0mg/ml.
<b>storage</b>	Store at -20 °C after receiving. Upon reconstitution, store at 2-8 °C for up to two weeks. For maximal stability, aliquot and store at -20 °C. Avoid repeated freeze/ thaw cycles.
<b>PRICE</b>	RMB 1400 /10 μ g; RMB 5598 /50 μ g
<b>Usage</b>	<b>*This product is for research use only.</b>