

## Recombinant Human SCF

Catalog No: CX53

<b>Description</b>	Recombinant Human Stem Cell Factor is produced by our Mammalian expression system and the target gene encoding Glu26-His214 is expressed with a 6His tag at the C-terminus.
<b>Source</b>	Human Cells
<b>Alternative name</b>	Kit Ligand; Mast Cell Growth Factor; MGF; Stem Cell Factor; SCF; c-Kit ligand; KITLG; MGF; SCF
<b>Accession No.</b>	P21583
<b>Quality Control</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.  Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100μg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
<b>Amino Acid Sequence</b>	EGICRNRVTNNVKDVTKLVLNPKDYMITLKYVPGMDVLP SHCWISEM VVQLSDSLTDLLDKFSNISE GLSNYSIIDKLVNIVDDLVECVKENSSKDLKKSFKSPEPRLFTP EEF FRIFNRSIDAFKDFVVASETSDC VVSSTLSPEKDSRVSVTKPFMLPPVAASSLRNDSS SSNRKAKNPPGDSSLHVDHHHHHH
<b>Background</b>	Stem Cell Factor (SCF) is a hematopoietic growth factor that exerts its activity at the early stages of hematopoiesis. SCF stimulates the proliferation of myeloid, erythroid, and lymphoid progenitors in bone marrow cultures and has been shown to act synergistically with colony stimulating factors.

### SDS-Page

