

Recombinant Human SCF Catalog No: CX53

Description 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.

Source Human Cells

Alternative name Kit Ligand; Mast Cell Growth Factor; MGF; Stem Cell Factor; SCF; c-Kit ligand; KITLG; MGF; SCF

Accession No. P21583

Quality Control Greater than 95% as determined by reducing SDS-PAGE.

Endotoxin Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.

Formulation 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.

Reconstitution It is not recommended to reconstitute to a concentration less than 100μg/ml.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Shipping The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

Storage 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.

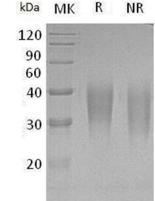
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Amino Acid Sequence EGICRNRVTNNVKDVTKLVANLPKDYMITLKYVPGMDVLPSHCWISEMVVQLSDSLTDLLDKFSNISE GLSNYSIIDKLVNIVDDLVECVKENSSKDLKKSFKSPEPRLFTPEEFFRIFNRSIDAFKDFVVASETSDC

VVSSTLSPEKDSRVSVTKPFMLPPVAASSLRNDSS SSNRKAKNPPGDSSLHVDHHHHHH

Background

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.



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