

Active GMP Recombinant Human SCF Protein

Cat. No. SCF-01HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SCF protein, was expressed in CHO-K1 cell-derived in an animal component free process under cGMP guidelines.
Species	Human
Source	CHO
Description	Stem cell factor (SCF) is a widely expressed type I transmembrane glycoprotein that promotes the survival, differentiation, and mobilization of a variety of cells, including myeloid, erythroid, and megakaryocytes. In bone marrow culture, SCF stimulates the proliferation of myeloid progenitor cells, erythroid hematopoietic progenitor cells, and lymphoid progenitor cells, and has synergistic effects with colony-stimulating factor. Mature SCF consists of an extracellular region containing 189 amino acids, a transmembrane region of 23 amino acids and an intracellular tail of 36 amino acids, which is sheared by proteases to form free SCF
Form	Lyophilized powder
Endotoxin	<20 EU/mg
Bio-activity	>5.0 x 10 ⁵ IU/mg
Purity	>98.0% by high performance liquid chromatography (SEC-HPLC) and SDS-PAGE.
Storage Buffer	10mM Phosphate-Buffered Saline (pH 7.2)

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Storage	Stable storage at 4°C for 7-10 days; for long-term storage, please store at -20°C after dispensing.
Sterility	Sterility
Instructions	It is recommended that lyophilized GMP rhSCF be dissolved in water for injection or sterilized ultrapure water at a concentration of not less than 100 µg/ml, pending further dilution to working concentration.

GENE INFORMATION

Gene Name	Stem cell factor
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