

PRODUCT INFORMATION

GMP® SCF, Human

v. 250301

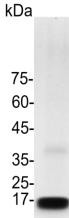
Catalog number	C01177-GMP-1000		
Package	1 mg		
Description	Stem Cell Factor (SCF) is a stromal cell-derived cytokine synthesized by fibroblasts and other cell types. SCF promotes proliferation and early differentiation of cells at the level of multipotential stem cells. SCF is a growth factor important for proliferation, and differentiation of hematopoietic stem cells One of its roles is to change the BFU-E (burst-forming unit-erythroid) cells, which are the earliest erythrocyte precursors in the erythrocytic series, into the CFU-E (colony-forming unit-erythroid).		
Expression System	Escherichia coli		
Species of Origin	Human		
Affinity Tag	His Tag (C-term)		
Sequence	Glu26-Ala189		
Endotoxin level	<0.05 EU per 1 μ g of the protein by the LAL method.		
Activity	Measure by its ability to induce TF-1 cells proliferation. The ED ₅₀ for this effect is <5 ng/mL. The specific activity of recombinant human SCF is $> 5 \times 10^5$ IU/mg.		
Purity	>98% as determined by SDS-PAGE analysis.		
Mycoplasma	Not detected		
Form	Lyophilized		
Storage Buffer	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.		
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to concentration not less than 0.5 mg/mL and incubate the stock solution for at lea 20 min to ensure sufficient re-dissolved.		
Stability & Storage	 This product is stable after storage at: -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles. 		
Specification	Croyez GMP [®] recombinant proteins are manufactured in ISO 13485:2016 and GMP-certified facility. The processes include:		

Croyez Bioscience Co., Ltd. | Tel: +886-2-27065557 | E-mail: info@croyezbio.com

croyezbio.com | 11 F., No. 1-10, Sec. 5, Zhongxiao E. Rd., Xinyi Dist., Taipei City 11071, Taiwan (R.O.C.)



	•	Animal-free reagent and laboratory
	•	Manufactured and tested under GMP guideline
	•	Testing and traceability of raw material
	•	Records of the maintenance and equipment calibration
	•	Personnel training records
	•	Batch-to-batch consistency
	•	Documentation of QA control and process changes
	•	Manufactured and tested under an ISO 13485:2016 certified quality
		management system
	•	Stability monitor of product shelf-life
	1.	Lennartsson J, Rönnstrand L. (2012) Physiol Rev. 92,4: 1619-49.
	2.	Ian K McNiece, Robert A. Briddel. (2003) The Cytokine Handbook (Fourth
Reference		Edition)
	3.	McNiece IK, Briddell RA. (1995) J Leukoc Biol. 58,1: 14-22.
	4.	Ashman, LK. (1999) Int J Biochem Cell Biol. 31,10: 1037-51.
		kDa



SDS-PAGE analysis of GMP® SCF, Human

For Research Use Only. Not for use in diagnostic or therapeutic procedures.