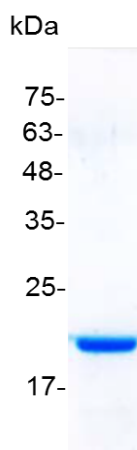


PRODUCT INFORMATION

SCF, Human

Catalog number	C01177-5UG / C01177-20UG / C01177-100UG
Package	5 µg / 20 µg / 100 µg
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).
Source	<i>Escherichia coli</i>
Sequence	MEGICRNRVTNNVKDVTCLVANLPKDYMITLKYVPGMDVLP SHCWISEM VVQLS DSLTDLLDKFSNISEGLSNYSIIDKLVNIVDDLVECVKENSSKDLKKSFKSPEPRL FTPEEFFRIFNRSIDAFKDFVVASETSDCVVSSTLSPEKDSRVSVTKPFMLPPVA with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg 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 x 10 ⁵ IU/mg.
Purity	>98% as determined by SDS-PAGE.
Formulation	The protein was lyophilized from a solution containing 1X PBS containing, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant human SCF

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