

HumanKine[®] SCF (Recombinant Human)



Animal Component-Free	Human cell expressed	Tag-Free	Endotoxin Free
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Product Description

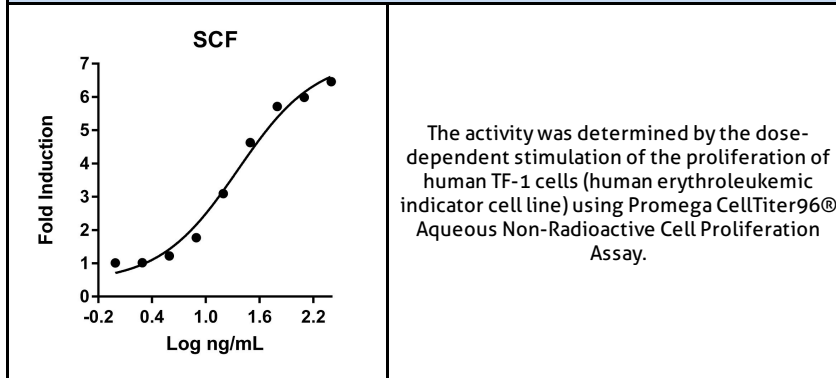
Animal-free Recombinant Human SCF is expressed in human 293 cells as a monomeric glycoprotein with an apparent molecular mass of 35 to 45 kDa. This product is produced in a human cell expression system with serum-free, chemically defined media. Production in human 293 cells offers authentic glycosylation, contributing to stability in cell growth media and other applications. SCF is a hematopoietic growth factor that exerts its activity by signaling through the c-Kit receptor. SCF and c-Kit are essential for the survival, proliferation, and differentiation of hematopoietic cells committed to the melanocyte and germ cell lineages.

Alternative Names	c Kit ligand, DKFZp686F2250, KIT ligand, Kitl, KITLG, KL 1, Mast cell growth factor, MGF, SCF, SF, SHEP7, Stem cell factor
Source	Human Embryonic Kidney cells (HEK293). HEK293-derived SCF protein

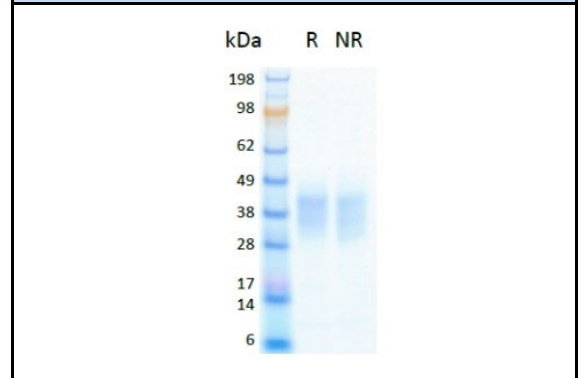
Specifications

Test	Method	Specification
Activity		Typically \leq 25 ng/mL EC50
Molecular Mass	SDS-PAGE	35 to 45 kDa, monomer, glycosylated
Purity	SDS-PAGE	>95%
Endotoxin	LAL	<1 EU/ μ g

Activity Data



SDS-PAGE



Preparation	
Shipping Temperature	ambient temperature
Formulation	1x PBS, See Certificate of Analysis for details
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

Stability and Storage	Product Form	Temperature Conditions	Storage Time (From Date of Receipt)
	Lyophilized	-20°C to -80°C	Until Expiry Date
	Lyophilized	Room Temperature	2 weeks
	Reconstituted as per CofA	-20°C to -80°C	6 months
	Reconstituted as per CofA	4°C	1 week
Avoid repeated freeze-thaw cycles.			

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