Recombinant Human SCF

Cat. # and size:	PSCF-10	10 µg
	PSCF-100	100 µg
	PSCF-1000	1000 µg

Product Specifications

- Expression of Human Proteins in Human Cells
- Extreme low Endotoxin
- High Purity
- Animal Free and Xeno Free
- Tag Free

Source: Human cells derived

Structure: Glycosylated monomer

Purity: >95% by SDS-PAGE

Endotoxin Level: <0.5EU/ug

Molecular Weight: 35-45kDa

Formulation: Lyophilized from a 0.2µm filtered solution in PBS without carrier protein

Activity Assay

The specific activity was determined by the dose-dependent simulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).

Reconstitution

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin to a desired concentration.

Stability & Storage

Store in a manual defrost freezer. In general, the lyophilized protein is stable for 12 months if stored at −80°C. Reconstituted protein is stable for 4 weeks at 2 to 8°C under sterile conditions. Stored the reconstituted protein in aliquots at −20°C to −80°C for up to 3 months under sterile conditions. Avoid repeated freeze-thaw cycles.

Protein Description

Recombinant human SCF expressed in engineered human cells. SCF belongs to the IL-2 protein family. SCF is a 35 to 45 kDa monomeric glycoprotein. SCF is produced by a variety of cells, such as melanocytes, hepatocytes, and bone cells. SCF promotes mast cell development, melanocyte cell survival and proliferation. SCF has been implicated in disease processes characterized by tissue remodeling and fibrosis and acts synergistically in the presence of other cytokines including EPO and GM-CSF.

References

Kitamura T, et al. (1989) J. Cell Physiol.140, 323-334.

Ali, S, et al. (2007) Gene 401, 38-45.