

**Animal-Free Recombinant Murine SCF**  
**Catalog # PBG10532****Specification**

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**Animal-Free Recombinant Murine SCF - Product Information****Animal-Free Recombinant Murine SCF - Additional Information****Description**

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. Human SCF manifests low activity on murine cells, while murine and rat SCF are fully active on human cells. Recombinant murine SCF is an 18.3 kDa polypeptide containing 164 amino acid residues, which corresponds to the sequence of the secreted soluble form of SCF.

**Biological Activity**

The ED<sub>50</sub> as determined by the dose-dependent stimulation of the proliferation of the human TF-1 cells is < 10 ng/ml, corresponding to a specific activity of > 1 x 10<sup>5</sup> units/mg.

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Animal-Free Recombinant Murine SCF is for research use only and not for use in diagnostic or therapeutic procedures.

**Animal-Free Recombinant Murine SCF - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

## **Animal-Free Recombinant Murine SCF - Images**