

## **Recombinant Murine SCF**

Catalog # PBG10399

## **Specification**

# **Recombinant Murine SCF - Product Information**

# **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  $> 1 \times 10 < \text{sup} > 5 < / \text{sup} > \text{units/mg}$ .

# **Authenticity**

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

# **Endotoxin**

Endotoxin level is  $<0.1 \text{ ng}/\mu\text{g}$  of protein ( $<1\text{EU}/\mu\text{g}$ ).

# **Protein Content**

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

# **Storage**

-20°C

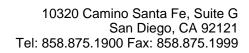
#### **Precautions**

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

#### **Recombinant Murine SCF - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety





• <u>Cell Culture</u> Recombinant Murine SCF - Images