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Animal-Free Recombinant Rat SCF
Catalog # PBG10557

Specification

Animal-Free Recombinant Rat SCF - Product Information

Animal-Free Recombinant Rat SCF - Additional Information

Description
Stem Cell Factor (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 rat SCF is an 18.4 kDa polypeptide containing 165 amino acid residues, which corresponds to the sequence of the secreted soluble form of SCF.

BiologicalActivity
Determined by the dose-dependent stimulation of the proliferation of the human TF-1 cells. The expected ED₅₀ for this effect is 20 - 40 ng/ml.

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

Animal-Free Recombinant Rat 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 Cytomety
- Cell Culture

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Animal-Free Recombinant Rat SCF - Images