

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant SCF, Rat (HEK 293-expressed)

Catalog Number: BK0330-50µg

Source: HEK 293

Quantity: 50µg

Description:

Stem Cell Factor (SCF) is a hematopoietic growth factor that binds to the c-Kit receptor. SCF exerts its activity during the early stages of hematopoiesis. SCF stimulates the proliferation of myeloid, erythroid, and lymphoid progenitors in bone marrow cultures and has been shown to act synergistically with colony stimulating factors.

Molecular Weight:

10~20 kDa, observed by reducing SDS-PAGE.

Purity:

> 95% as analyzed by SDS-PAGE.

Biological Activity:

ED50 < 50 ng/ml, measured in a proliferation assay using TF-1 Cells.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

QEICRNPVTDNVKDITKLVANLPNDYMITLNY-
VAGMDVLP SHCWLRD-
MVTHLSVSLTLLDKFSNISEGLSNYSIIDKLG-
KIVDDL VACMEENAPKNVKESLKKPETRN-
FTPEEFFSIFNRSIDAF-
KDFMVASDTSDCVLSSTLGPEKDSRVSVTKPFML
PPVA

Endotoxin:

< 0.2 EU/µg, determined by LAL method.

Reconstitution:

Reconstituted in ddH₂O or PBS at 100 µg/ml.

Storage:

Lyophilized recombinant Rat Stem Cell Factor (SCF) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Rat Stem Cell Factor (SCF) should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Usage:

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