Data Sheet
Recombinant Human Stem Cell Factor (rh SCF)
Preclinical Grade - Order No.: 1418-010 / 1418-050

Source
A DNA sequence encoding the mature SCF protein was expressed in E. coli

Production
Final manufacturing steps and QC are performed in a GMP facility

Molecular mass
The methionyl form of the E. coli expressed mature human SCF contains 171 amino acid residues (including a C-terminal His6-tag) and has a molecular mass of 19.4 kDa

Purity
≥ 95%, as determined by SDS-PAGE

Endotoxin level
< 1000 EU/mg, as determined by LAL gel clot test

Activity
≥ 0.5 x 10^6 IU/mg calibrated against the 1st International Standard NIBSC, # 91/682

Measured in a cell proliferation assay using human factor dependent cell line, TF-1

Sterility
Sterility test of the vialed product (direct inoculation)

Formulation
Lyophilized from a 0.2 μm-filtered solution containing 25 mM Na-phosphate, 150 mM NaCl, and 1 mM EDTA

Mass per vial
50 μg or 10 μg, as determined by spectrophotometrical measurement at 280 nm

Transport
Ambient temperature

Storage at
-20°C or below. Avoid repeated freeze-thaw cycles

Shelf life
3 years from date of shipment

本品は研究用試薬です。治療および診断目的にはご使用できません。

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