

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 <i>E. coli</i>
Production	Final manufacturing steps and QC are performed in a GMP facility
Molecular mass	The methionyl form of the <i>E. coli</i> 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 × 10 ⁶ IU/mg calibrated against the 1 st International Standard NIBSC, # 91/682 Measured in a cell proliferation assay using human factor dependent cell line, TF-1
Sterility	Sterility test of the vial 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

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Manufacturer

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