

**Data Sheet: CellGro<sup>®</sup> / CellGenix<sup>™</sup>**  
**Recombinant Human Stem Cell Factor (rh SCF)**  
**Preclinical Grade - Order No.: 1418-010 / 1418-050**

<b>Source</b>	A DNA sequence encoding the mature SCF protein was expressed in <i>E. coli</i>
<b>Production</b>	Terminal manufacturing steps and QC are performed in a GMP facility
<b>Molecular mass</b>	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 kDa
<b>Purity</b>	≥ 95%, as determined by SDS-PAGE
<b>Endotoxin level</b>	< 1000 EU/mg, as determined by LAL gel clot test
<b>Activity</b>	≥ 0.5 x 10 <sup>6</sup> IU/mg calibrated with the 1 <sup>st</sup> International Standard NIBSC, # 91/682  Measured in a cell proliferation assay using human factor dependent cell line, TF-1
<b>Sterility</b>	Sterility test of the vial product (direct inoculation)
<b>Formulation</b>	Lyophilized from a protein solution in PBS containing 1 mM EDTA, without any carrier materials and preservatives
<b>Amount per vial</b>	50 µg or 10 µg, as determined by spectrophotometrical measurement at 280 nm using PBS containing 1 mM EDTA as reference
<b>Transport</b>	Ambient temperature
<b>Storage at</b>	-20°C or below. Avoid repeated freeze-thaw cycles
<b>Shelf life</b>	Minimum 6 months from date of shipment
<b>Intended use</b>	<b>For preclinical ex vivo use. Not intended for therapeutic use.</b>

**Manufacturer**

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