



Data Sheet: CellGro® / CellGenix™
Recombinant Human Stem Cell Factor (SCF)
research grade - Order No.: 1401

Source	A DNA sequence encoding the mature SCF protein was expressed in <i>Drosophila</i> S2 insect cells.
Raw Material Statement	n.a.
Production	Produced in a GMP environment.
Molecular Mass	The methionyl form of the S2 expressed mature human SCF contains 188 amino acid residues (including a C-terminal His6-tag) and has a molecular mass of 21 kDa.
Purity	≥ 95%, as determined by SDS-PAGE.
Endotoxin Level	< 0.1 ng per 1 µg (< 1000 EU/mg), as determined by LAL gel clot test.
Activity	Measured in a cell proliferation assay using a human factor-dependent cell line, TF-1. ED50 is typically 5 – 15 ng/ml (Activity: > 2x10 ⁵ IU/mg) calibrated with the 1 st International Standard NIBSC, # 91/682
Sterility	Sterility test of the vial product (direct inoculation).
Biosafety	The manufacturing process includes the following two steps: <ul style="list-style-type: none">• Chemical inactivation of potential viruses (solvent/detergent inactivation)• Virus removal through nanofiltration
Formulation	Lyophilized from a protein solution in PBS without any carrier materials and preservatives.
Amount per Vial	50 µg or 10 µg, as determined by spectrophotometrical measurement at 280 nm using PBS as reference.
Transport	Ambient temperature
Storage at	-20°C to -80°C. Avoid repeated freeze-thaw cycles.
Shelf life	2 years from date of production
Intended Use	For research use only. Not intended for diagnostic or therapeutic use.

Manufacturer
CellGenix Technologie Transfer GmbH
Am Flughafen 16 – 79108 Freiburg – Germany
Tel: +49 761 88889 – 0
Fax: +49 761 88889 – 830
www.cellgenix.com - info@cellgenix.com

