

Product Datasheet

Recombinant SCF, Human (P.pastoris-expressed) (orb1494611)

Description	Stem Cell Factor (SCF) is a hematopoietic growth factor that 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. Recombinant human Stem Cell Factor (rhSCF) produced in <i>Pichia pastoris</i> is a glycosylated polypeptide chain of 165 amino acids. A fully biologically active molecule, rhSCF has a molecular mass of ~20kDa analyzed by reducing SDS-PAGE and is obtained by proprietary refolding and chromatographic techniques at GenScript.
Endotoxins	< 1.0 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against 10 mM acetic acid.
Form/Appearance	Lyophilized after extensive dialysis against 10 mM acetic acid.
Storage	Lyophilized recombinant human Stem Cell Factor (rhSCF) remains stable up to 12 months at -80°C from date of receipt. Upon reconstitution, rhSCF should be stable up to 4 weeks at 4°C or up to 6 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH ₂ O at 100 μg/ml.
Protein Sequence	MEGICR NRVTNVVKDV TKLVANLPKD YMITLKYVPG MDVLP SHCWI SEMVVQLSDS LTDLLDKFSN ISEGLSNYSI IDKLVNIVDD LVEC VKENSS KDLKKSFKSP EPRLFTPEEF FRIFNRSIDA FKDFVVASET SDCVVSSTLS PEKDSRVSVT KPFMLPPVA
Purity	> 95% by SDS-PAGE analysis.
Source	<i>P. pastoris</i>
MW	~20 kDa, observed by reducing SDS-PAGE.
Expiration Date	6 months from date of receipt.

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