

Product Datasheet

RecombinantSCF,Rat (orb1494609)

Description	Stem Cell Factor (SCF) is a hematopoietic growth factor that binds to the c-Kit receptor. SCF 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 rat Stem Cell Factor (rrSCF) produced in <i>P. pastoris</i> is a single glycosylated polypeptide chain containing 164 amino acids. A fully biologically active molecule, rrSCF has a molecular mass of 18.3 kDa analyzed by reducing SDS-PAGE and is obtained by proprietary chromatographic techniques at GenScript.
Endotoxins	< 0.2 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant rat Stem Cell Factor (rrSCF) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rrSCF should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH2O at 100 μg/mL.
Protein Sequence	QEICRN PVTDNVKDIT KLVANLPNDY MITLNYVAGM DVLPSHCWLR DMVTHLSVSL TLLDKFSNI SEGLSNYSII DKLKIVDDL VACMEENAPK NVKESLKKPE TRNFTPEEFF SIFNRSIDAF KDFMVASDTS DCVLSSTLGP EKDSRVSVTK PFMLPPVA
Purity	> 95% by SDS-PAGE analysis.
Source	<i>P. pastoris</i>
MW	18.3 kDa, observed by reducing SDS-PAGE.
Expiration Date	6 months from date of receipt.

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