

Active Recombinant Rat Kitlg Protein

Cat. No. Kitlg-164K **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Kitlg Protein without tag was expressed in HEK 293.
Species	Rat
Source	HEK293
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.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 50 ng/mL, measured in a proliferation assay using TF-1 Cells.
Molecular Mass	10~20 kDa, observed by reducing SDS-PAGE.
AA Sequence	QEICRNPVTDNVKDITKLVANLPNDYMITLNYVAGMDVLP SHCWLRDMVTHLSVSLT TLLDKFSNISEGLSNYSIIDKLGKIVDDL VACMEENAPKNVKESLKKPETRNFTPEEFF SIFNRSIDAFKDFMVASDTSDCVLSSTLGPEKDSRVSVTKPFMLPPVA
Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 95% as analyzed by SDS-PAGE.

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Storage Lyophilized recombinant Rat Stem Cell Factor (SCF) remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Rat Stem Cell Factor (SCF) should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.

Storage Buffer Lyophilized after extensive dialysis against PBS.

Reconstitution Reconstituted in ddH₂O or PBS at 100 µg/mL.

GENE INFORMATION

Gene Name [Kitlg](#) KIT ligand [*Rattus norvegicus* (Norway rat)]

Official Symbol [Kitlg](#)

Synonyms Kitlg; KIT ligand; Mgf; SCF; Kitl;

Gene ID [60427](#)

mRNA Refseq [NM_021843](#)

Protein Refseq [NP_068615](#)

UniProt ID [P21581](#)

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