

## Active Recombinant Rat Kitlg Protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Kitlg Protein without tag was expressed in HEK 293.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Bio-activity</b>	ED50 < 50 ng/mL, measured in a proliferation assay using TF-1 Cells.
<b>Molecular Mass</b>	10~20 kDa, observed by reducing SDS-PAGE.
<b>AA Sequence</b>	QEICRNPVTDNVKDITKLVANLPNDYMITLNYVAGMDVLP SHCWLRDMVTHLSVSLT TLLDKFSNISEGLSNYSIIDKLGKIVDDL VACMEENAPKNVKESLKKPETRNFTPEEFF SIFNRSIDAFKDFMVASDTSDCVLSSTLGPEKDSRVSVTKPFMLPPVA
<b>Endotoxin</b>	< 0.2 EU/μg, determined by LAL method.
<b>Purity</b>	> 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 ddH<sub>2</sub>O 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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