

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.
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Storage Buffer	Lyophilized after extensive dialysis against PBS.
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Reconstitution	Reconstituted in ddH2O or PBS at 100 µg/mL.
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GENE INFORMATION

Gene Name	Kitlg KIT ligand [<i>Rattus norvegicus</i> (Norway rat)]
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Official Symbol	Kitlg
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Synonyms	Kitlg; KIT ligand; Mgf; SCF; Kitl;
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Gene ID	60427
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mRNA Refseq	NM_021843
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Protein Refseq	NP_068615
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UniProt ID	P21581
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