

Active Recombinant Human KITLG Protein (165 aa)

Cat. No. KITLG-152K Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human KITLG Protein (165 aa) without tag was expressed in <i>P. pastoris</i> .
Species	Human
Source	<i>P.pastoris</i>
ProteinLength	165
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.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	The ED50, as determined by the dose-dependent stimulation of human TF-1 cells, is < 2 ng/mL, corresponding to a specific activity of 5×10^5 IU/mg.
Molecular Mass	~20 kDa, observed by reducing SDS-PAGE.
AA Sequence	MEGICRNRVTNNVKDVTKLVANLPKDYMITLKYVPGMDVLP SHCWISEM VVQLSDSL TDLLDKFSNISEGLSNYSIIDKLVNIVDDLVECVKENSSKDLKKSFKSPEPRLFTPEEF FRIFNRSIDAFKDFVVASETSDCVVSSTLSPEKDSRVSVTKPFMLPPVA

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Endotoxin	< 1 EU/μg, determined by LAL method.
Purity	> 95% by SDS-PAGE analysis.
Storage	Lyophilized recombinant human Stem Cell Factor (rhSCF) remains stable up to 12 months at -80 centigrade from date of receipt. Upon reconstitution, rhSCF should be stable up to 4 weeks at 4 centigrade or up to 6 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against 10 mM acetic acid.
Reconstitution	Reconstituted in ddH ₂ O at 100 μg/mL.

GENE INFORMATION

Gene Name	KITLG KIT ligand [Homo sapiens (human)]
Official Symbol	KITLG
Synonyms	KITLG; KIT ligand; SF; MGF; SCF; SLF; DCUA; FPH2; FPHH; KL-1; Kitl; WS2F; SHEP7; DFNA69; kit ligandc-Kit ligandfamilial progressive hyperpigmentation 2mast cell growth factorsteel factorstem cell factorEC 3.2.1.31
Gene ID	4254
mRNA Refseq	NM_000899
Protein Refseq	NP_000890
MIM	184745
UniProt ID	P21583

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