

Active Recombinant Rat Kitlg

Cat. No. Kitlg-63R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat SCF is an 18.4 kDa polypeptide containing 165 amino acid residues, which corresponds to the sequence of the secreted soluble form of SCF.
Species	Rat
Source	E.coli
Description	soluble growth factor that activates c-kit tyrosine kinase receptor; important for signaling in spermatogenesis; putative regulator of Leydig cell development.
Bio-activity	Determined by the dose-dependent stimulation of the proliferation of the human TF-1 cells. The expected ED50 for this effect is 20 - 40 ng/ml.
Molecular Mass	18.4 kDa
AA Sequence	MQEICRNPVT DNVKDITKLV ANLPNDYMIT LNYVAGMDVL PSHCWLRDMV THLSVSLTTL LDKFSNISEG LSNYSIIDKL GKIVDDLVC MEENAPKNVK ESLKKPETRN FTPEEFFSIF NRSIDAFKDF MVASDTSDCV LSSTLGPEKD SRVSVTKPFM LPPVA
Purity	Greater than 98% by SDS-PAGE gel and HPLC analyses.

GENE INFORMATION

Gene Name	Kitlg KIT ligand [<i>Rattus norvegicus</i> (Norway rat)]
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 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Official Symbol	Kitlg
Synonyms	Kitlg; Mgf; SCF; Kitl; KIT ligand; kit ligand; C-kit ligand; stem cell factor KL-1; mast cell growth factor; steel factor/kit ligand; hematopoietic growth factor KL
Gene ID	60427
mRNA Refseq	NM_021843
Protein Refseq	NP_068615
UniProt ID	P21581
Chromosome Location	7q13
Pathway	Adaptive Immune System; Cytokine-cytokine receptor interaction; DAP12 interactions
Function	cytokine activity; growth factor activity; stem cell factor receptor binding

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