

Recombinant Rat KIT Ligand

Cat. No. Kitlg-5267R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Kitlg isa 18.4 kDa protein and was expressed in E. coli.
Species	Rat
Source	E.coli
Description	Kitlg is a type Itransmembrane protein and hematopoietic growth factor which acts in synergywith other growth factors, and signals through the receptor tyrosine kinasec-Kit (CD117). The interaction between Kitlg and c-Kit regulatesdevelopmental and functional processes of hematopoietic progenitor cells,mast cells, myelanocytes and germ cells, and plays an important role infollicular development.
Form	Purified recombinantprotein - lyophilized.
Application	Functional Assays
Preparation	Purified recombinant SCF expressed in E. coli.
Molecular Weight	18.4kD (154 amino acid residues).
Purity	> 98% by SDS PAGE and HPLC analysis
Endotoxin Level	< 1EU/ug
Concentration	0.1mg/ml after reconstitution

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Storage

Prior to reconstitution store at +4°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

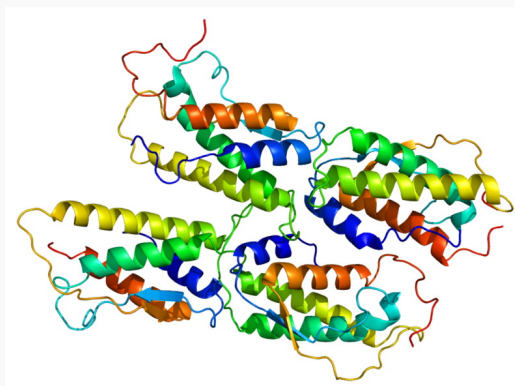
Gene Name	Kitlg KIT ligand [Rattus norvegicus]
Official Symbol	Kitlg
Synonyms	Kitlg; KIT ligand; Mgf; SCF; Kitl; kit ligand; C-kit ligand; stem cell factor KL-1; mast cell growth factor; steel factor/kit ligand; hematopoietic growth factor KL
Gene ID	60427
mRNA Refseq	NM_021843
Protein Refseq	NP_068615
UniProt ID	P21581
Chromosome Location	7q13
Pathway	Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; Kit Receptor Signaling Pathway; Melanogenesis; Pathways in cancer
Function	cytokine activity; growth factor activity; identical protein binding; stem cell factor receptor binding

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