

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 I transmembrane protein and hematopoietic growth factor which acts in synergy with other growth factors, and signals through the receptor tyrosine kinase Kit (CD117). The interaction between Kitlg and c-Kit regulates developmental and functional processes of hematopoietic progenitor cells, mast cells, melanocytes and germ cells, and plays an important role in follicular development.
Form	Purified recombinant protein - 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](#)

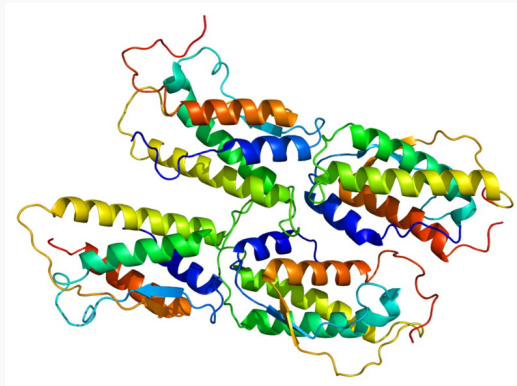
Function [cytokine activity](#); [growth factor activity](#); [identical protein binding](#); [stem cell factor receptor binding](#)

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