

Recombinant Mouse Kitl protein, His-tagged, Biotinylated.

Cat. No. Kitl-577M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Kitl(Lys 26 - Ala 189) fused with His tag at C-terminal was expressed in HEK293, Biotinylated.
Species	Mouse
Source	HEK293
ProteinLength	Lys 26 - Ala 189
Predicted N Terminal	Lys 26
Form	Lyophilized from 0.22m filtered solution in PBS (pH 7.4) with Trehalose as protectant.
Molecular Mass	Has a calculated MW of 19.1 kDa. The protein migrates as 19-30 kDa on a SDS-PAGE gel under reducing (R) condition due to different glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>98% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.No activity loss is observed after storage at:4-8 centigrade for 12 months in lyophilized state;-70 centigrade for 3 months under sterile conditions after reconstitution.

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Reconstitution Reconstitute at 100 µg/mL in sterile deionized water. For best performance, we strongly recommend you to follow the reconstitution protocol provided in the COA.

Conjugation Biotin

GENE INFORMATION

Gene Name [Kitl kit ligand \[Mus musculus \]](#)

Official Symbol [Kitl](#)

Synonyms KITL; kit ligand; cloud gray; C-kit ligand; Steel factor; grizzle-belly; stem cell factor; mast cell growth factor; hematopoietic growth factor KL; Gb; SF; Sl; Clo; Con; Mgf; SCF; SLF; Kitlg; contrasted;

Gene ID [17311](#)

mRNA Refseq [NM_013598](#)

Protein Refseq [NP_038626](#)

MIM

UniProt ID [P20826](#)

Chromosome Location 10 D1; 10 51.4 cM

Pathway Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Kit Receptor Signaling Pathway, organism-specific biosystem; Melanogenesis, organism-

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specific biosystem; Melanogenesis, conserved biosystem;

Function

cytokine activity; growth factor activity; protein binding; stem cell factor receptor binding;

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