

Active Recombinant Mouse Kitl protein, His-tagged

Cat. No. Kitl-576M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Kitl protein(Lys26-Ala189), fused with C-terminal His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	26-189 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is 0.5-1.0 ng/mL, corresponding to a specific activity of 1.0×10^6 - 2.0×10^6 units/mg. 2. Measured by its binding ability in a functional ELISA. Immobilized recombinant Mouse SCF at 2 µg/mL (100 µL/well) can bind recombinant human CD117 with a linear range of 1.5-10 ng/mL.
Molecular Mass	19.14 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.
Storage	Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months,

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at 2-8°C for up to 1 week.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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](#)

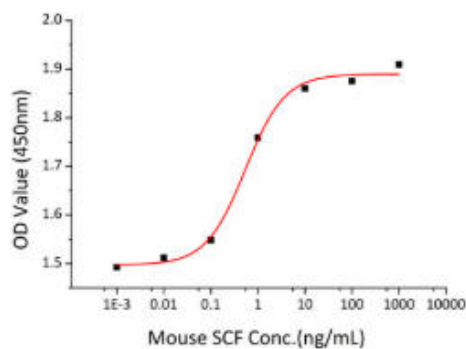
Protein Refseq [NP_038626](#)

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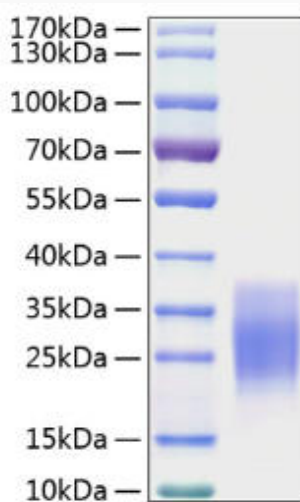
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Activity



SDS-PAGE



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