

RP01055

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Recombinant Mouse c-Kit ligand/KITLG/SCF Protein

Catalog No.: RP01055

Recombinant

1 Publications

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	17311	P20826-1

Tags

C-His

Synonyms

KITLG;FPH2;KL-1;Kitl;MGF;SCF;SF;SHEP
7;KL;SCF/KITLG

Product Information

Source	Purification
HEK293 cells	> 95% by SDS- PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL
method.

Formulation

Lyophilized from a 0.22 μm filtered
solution of PBS, pH 7.4. Contact us for
customized product form or
formulation.

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.

Background

Basic Information

Description

Recombinant Mouse c-Kit ligand/KITLG/SCF Protein is produced by HEK293
expression system. The target protein is expressed with sequence (Lys26-Ala189)
of mouse SCF (Accession #NP_038626.1.) fused with a 6×His tag at the C-
terminus.

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.

Storage

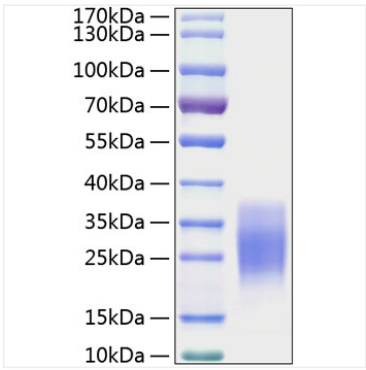
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from
the date of receipt. After reconstitution, the protein solution is stable at
-20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact

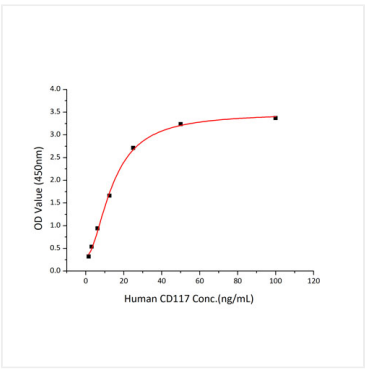


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Validation Data



Recombinant Mouse c-Kit ligand/KITLG/SCF Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized recombinant Mouse SCF at 2 μ g/mL (100 μ L/well) can bind recombinant human CD117 with a linear range of 1.5-10ng/mL.