

RP00432

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# Recombinant Human c-Kit/CD117 Protein

Catalog No.: RP00432 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	3815	P10721-2

### Tags

C-His

### Synonyms

SCFR; PBT; CD117; ckit; c-kit; EC 2.7.10; EC 2.7.10.1; KIT

## Product Information

### Source

HEK293 cells

### Purification

≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### 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.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Background

The c-kit proto-oncogen (CD 117) has been shown to be present in several cell types including normal and neoplastic hemopoietic cells. Among normal BM cells, CD117 expression has been found in about half of the CD34 precursors including progenitors committed to the erythroid, granulo-monocytic, and megakaryocytic cell lineages.

## Basic Information

### Description

Recombinant Human c-Kit/CD117 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln26-Thr516) of Human CD117 (Accession #P10721-2) fused with a C-His tag at the C-terminus.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Operational Notes

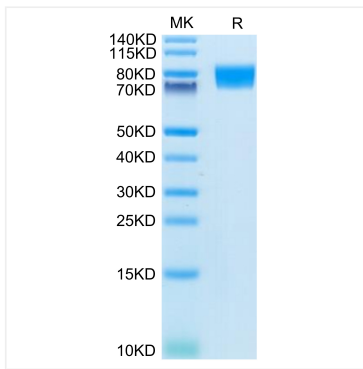
For your safety and health, please wear a lab coat and disposable gloves for handling.

### Storage

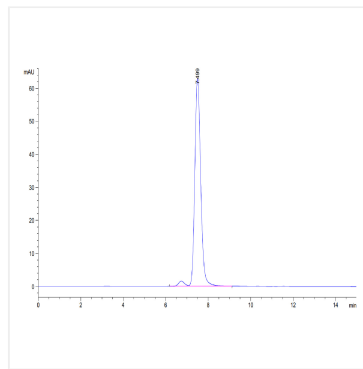
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

\* For your safety and health, please wear a lab coat and disposable gloves when handling.

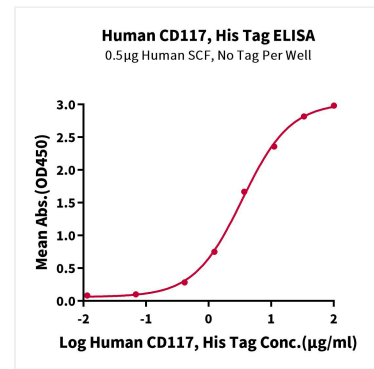
## Validation Data



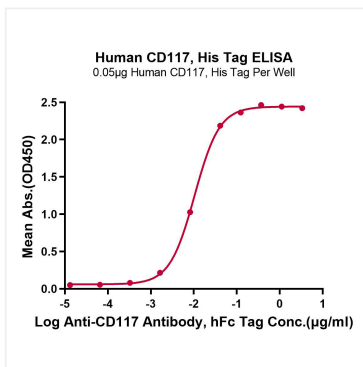
Recombinant Human c-Kit/CD117 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human CD117 is greater than 95% as determined by SEC-HPLC.



Immobilized Human SCF at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Human CD117, His Tag with the EC<sub>50</sub> of 3.42 µg/mL determined by ELISA (QC Test).



Immobilized Human CD117, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-CD117 Antibody, hFc Tag with the EC<sub>50</sub> of 10.5ng/mL determined by ELISA.