

Recombinant Mouse c-Kit/CD117 Protein

Catalog No.: RP01503

Sequence Information

Species	Gene ID
Mouse	16590
Swiss Prot	Tags
P05532	C-His

Synonyms

W, Bs, Fdc, Ssm, SCO1, SCO5, SOW3, CD117, c-KIT, Tr-kit, Gsfsc01, Gsfsc05, Gsfscow3, CD117

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
56.79 kDa	50-70 kDa

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.

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

This protein is human homolog of the proto-oncogene c-kit. C-kit was first identified as the cellular homolog of the feline sarcoma viral oncogene v-kit. This protein is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). Mutations in this gene are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, and piebaldism. Multiple transcript variants encoding different isoforms have been found for this gene.

Basic Information

Description

Recombinant Mouse c-Kit/CD117 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser25-Pro527) of mouse KIT/c-KIT/CD117 (Accession #NP_001116205.1) fused with a 6×His tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

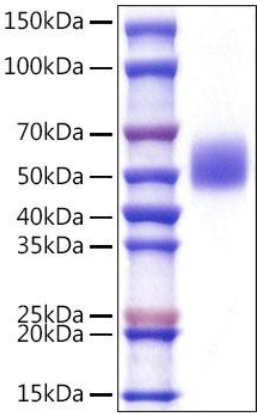
Operational Notes

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

Contact

		400-999-6126
		cn.market@abclonal.com.cn
		www.abclonal.com.cn

Validation Data



Recombinant Mouse c-Kit/CD117 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.