

# Mouse KIT / c-KIT / CD117 (Fc Tag) recombinant protein



Catalog Number: 500597

## General Information

### Gene Name Synonym

Proto-oncogene c-Kit; Tyrosine-protein kinase Kit

### Protein Construction

A DNA sequence encoding the mouse KIT isoform 1 (NP\_001116205.1) extracellular domain (Met 1-Thr 523) was fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized mouse KITL at 2 µg/ml (100 µl/well) can bind mouse KIT / CD117 with a linear ranger of 1.28-32 ng/ml.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Ser 25

### Molecular Mass

The secreted recombinant mouse KIT/Fc is a disulfide-linked homodimeric protein. The reduced monomer comprises 740 amino acids and has a predicted molecular mass of 82.5 kDa. As a result of glycosylation, the apparent molecular mass of rmKIT/Fc monomer is approximately 100-110 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

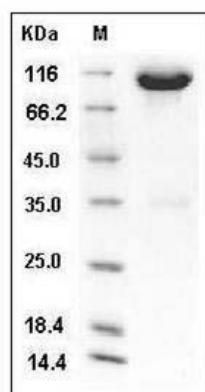
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Mouse c-kit / CD117 Protein (Fc Tag) SDS-PAGE