

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



Catalog Number: 503301

## 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 a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized mouse KIT at 2 µg/ml (100 µl/well) can bind biotinylated mouse KITL with a linear rangel of 1.28-6.4 ng/ml.

### Purity

> 97 % 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 comprises 510 amino acids and has a predicted molecular mass of 57 kDa. As a result of glycosylation, the apparent molecular mass of rmKIT is approximately 70-80 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

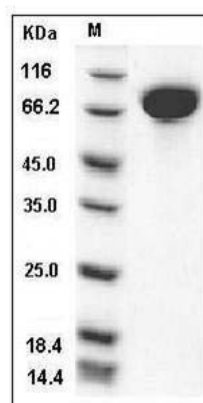
### Storage

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 (His Tag) SDS-PAGE