# 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  $\mu$ g/ml (100  $\mu$ l/well) can bind biotinylated mouse KITL with a linear ranger of 1.28-6.4 ng/ml.

## **Purity**

> 97 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  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**

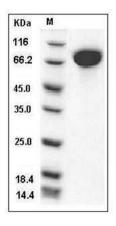
# **Storage**

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