

# Human KIT / c-KIT / CD117 (aa 540-972, His & GST Tag) recombinant protein



Catalog Number: 503427

## General Information

### Gene Name Synonym

Piebald trait protein; Proto-oncogene c-Kit; Tyrosine-protein kinase Kit; p145 c-kit; v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog

### Protein Construction

A DNA sequence encoding the human KIT isoform 2 (P10721-2) cytoplasmic domain (Thr 540-Val 972) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

No Kinase Activity

### Purity

> 92 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Gln 26

### Molecular Mass

The recombinant human KIT(aa 540-972) /GST chimera consists of 670 amino acids and predicts a molecular mass of 76.8 kDa. It migrates as an approximately 68 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 20% gly, 3mM DTT

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

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

## Usage Guide

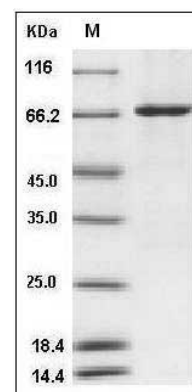
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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



Human KIT / c-KIT / CD117 Protein (aa 540-972, His & GST Tag) SDS-PAGE