

# Human KIT / c-KIT / CD117 (aa 50-190, His Tag) recombinant protein



Catalog Number: 500289

## 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  
(P10721-1) (Val50-Gln190) was expressed with a  
polyhistidine tag at the N-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

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

### Predicted N terminal

His

### Molecular Mass

The recombinant human KIT consists of 156 amino  
acids and predicts a molecular mass of 17.9 KDa.  
It migrates as an approximately 18 KDa band in  
SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 137mM NaCl, 2.7mM KCl,  
10mM Na<sub>2</sub>HPO<sub>4</sub>, 1.8mM KH<sub>2</sub>PO<sub>4</sub>, 15% glycerol,  
pH 2.7.

1. 5 % trehalose and mannitol are added as  
protectants before lyophilization.
2. Please contact us for any concerns or special  
requirements.

## Usage Guide

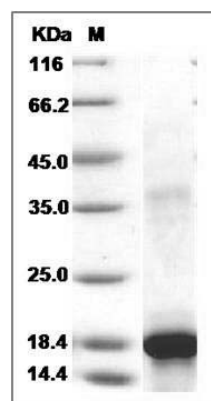
### Storage

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



Human KIT / c-KIT / CD117 Protein (aa 50-190,  
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