

Human KIT / c-KIT / CD117 (His Tag) recombinant protein



Catalog Number: 503338

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) extracellular domain (Met 1-Thr 516)
was expressed, with a polyhistidine tag at the C-
terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional
ELISA. Immobilized human KIT at 20 µg/ml (100
µl/well) can bind biotinylated mouse KITL with a
linear ranger 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

Gln 26

Molecular Mass

The recombinant human KIT consists of 502 amino
acids and predicts a molecular mass of 56.7 kDa.
In SDS-PAGE under reducing conditions, the
apparent molecular mass of rhKIT is
approximately 75-85 kDa due to glycosylation.

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

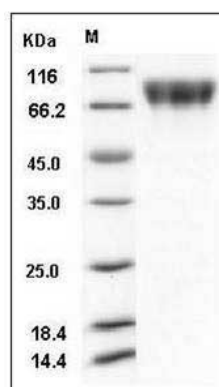
Storage

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



Human c-KIT / CD117 Protein (His Tag) SDS-
PAGE