

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



Catalog Number: 503428

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 extracellular domain of human KIT (P10721-2) (Met1-Thr516) was expressed with the Fc region of human IgG1 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-Fc (Cat:503428) at 10 µg/ml (100 µl/well) can bind biotinylated mouse KITL-His (1-189) (Cat:500260). The EC₅₀ of biotinylated mouse KITL-His (1-189) (Cat:500260) is 2.87-6.71 ng/ml.

Purity

> 95 % 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/Fc comprises 729 amino acids and has a predicted molecular mass of 82 kDa. The apparent molecular mass of the protein is approximately 93-115 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

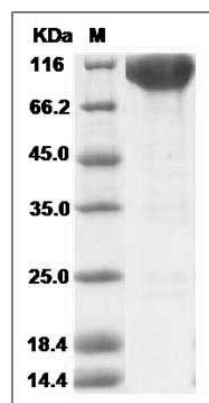
Storage

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



Human KIT / c-KIT / CD117 Protein (Fc Tag) SDS-

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