

# Mouse VEGFR2/Flk-1/CD309/KDR (Fc Tag) recombinant protein



Catalog Number: 504097

## General Information

### Gene Name Synonym

Fetal liver kinase 1; Kinase NYK; Protein-tyrosine kinase receptor flk-1

### Protein Construction

A DNA sequence encoding the mouse KDR (P35918) (Met1-Glu762) was expressed, fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Immobilized mouse VEGF164 (Cat:502886) at 10 µg/ml (100 µl/well) can bind mouse KDR-Fc, The EC<sub>50</sub> of mouse KDR-Fc is 0.11-0.27 µg/ml.

### Purity

> 90 % 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

Ala 20

### Molecular Mass

The recombinant mouse KDR /Fc comprises 984 amino acids and has a predicted molecular mass of 110 KDa. The apparent molecular mass of the protein is approximately 120 KDa in SDS-PAGE under reducing conditions 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

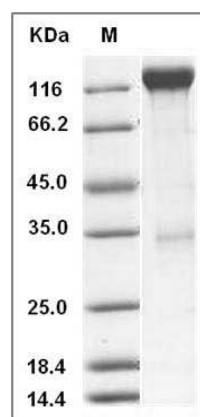
### Storage

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



Mouse VEGFR2 / Flk-1 / CD309 / KDR Protein (Fc Tag) SDS-PAGE