

# Human KDR recombinant protein (C-human IgG1-Fc)



Catalog Number: 514911

## General Information

### Gene Name Synonym

A type III receptor tyrosine kinase, isoform CRA\_a

### Protein Construction

A DNA sequence encoding the human KDR (NP\_002244.1) (Asp120-Lys327) 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 ability to inhibit VEGF-dependent proliferation of human umbilical vein endothelial cells (HUVEC) in the presence of 10 ng/mL rhVEGF165. The ED<sub>50</sub> for this effect is 20-80 ng/mL.

### Purity

> 95 % as determined by SDS-PAGE.

### Endotoxin

< 1.0 EU per µg 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

Asp 120

### Molecular Mass

The recombinant human KDR consists of 449 amino acids and predicts a molecular mass of 50.4 kDa.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

1. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
2. Please contact us for any concerns or special requirements.

## Usage Guide

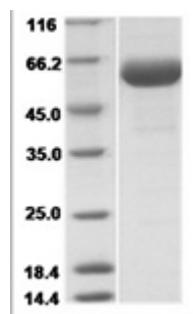
### Storage

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

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

### SDS-PAGE



Human VEGFR2 / Flk-1 / CD309 / KDR Protein (Domain 2&3, His Tag)