

## Active Recombinant Human KDR protein, Fc-tagged

**Cat. No.** KDR-0821H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KDR protein(Ala20-Glu764), fused with Fc tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	20-764 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Human VEGF R2, Fc Tag at 1 µg/mL (100 µL/well) can bind Anti-VEGFR2 Antibody, Mouse IgG1 with a linear range of 0.1-2 ng/mL.
<b>Molecular Mass</b>	This protein carries a human IgG1 Fc tag at the C-terminus.The protein has a calculated MW of 109.7 kDa. The protein migrates as 140-170 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Ala20-Glu764
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.

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**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [KDR kinase insert domain receptor \(a type III receptor tyrosine kinase\) \[ Homo sapiens \]](#)

**Official Symbol** [KDR](#)

**Synonyms** KDR; kinase insert domain receptor (a type III receptor tyrosine kinase); vascular endothelial growth factor receptor 2; CD309; FLK1; VEGFR; VEGFR2; soluble VEGFR2; fetal liver kinase 1; fetal liver kinase-1; protein-tyrosine kinase receptor Flk-1; tyrosine kinase growth factor receptor;

**Gene ID** [3791](#)

**mRNA Refseq** [NM\\_002253](#)

**Protein Refseq** [NP\\_002244](#)

**MIM** [191306](#)

**UniProt ID** [P35968](#)

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