

## Active Recombinant Human KDR protein, His-tagged

**Cat. No.** KDR-0824H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KDR protein(Ala20-Glu764), fused with His 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 PBS, pH7.4 with trehalose as protectant.
<b>Bio-activity</b>	Immobilized Human VEGF165, premium grade at 2 µg/mL (100 µL/well) can bind Human VEGF R2, His Tag with a linear range of 10-156 ng/mL. Immobilized Human VEGF R2, His Tag at 2 µg/mL (100 µL/well) can bind Biotinylated Human VEGF165, His,Avitag with a linear range of 2-39 ng/mL. Immobilized Human VEGF R2, His Tag at 2 µg/mL (100 µL/well), can bind pre-mixed increasing concentrations of Bevacizumab and 0.05 µg/mL (100 µL/well) Biotinylated Human VEGF165, His,Avitag with a half maximal inhibitory concentration (IC50) of 0.74 µg/mL.
<b>Molecular Mass</b>	This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 85.2 kDa. The protein migrates as 105-150 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Ala20-Glu764

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	KDR kinase insert domain receptor (a type III receptor tyrosine kinase) [ Homo sapiens ]
<b>Official Symbol</b>	KDR
<b>Synonyms</b>	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;
<b>Gene ID</b>	3791
<b>mRNA Refseq</b>	NM_002253
<b>Protein Refseq</b>	NP_002244
<b>MIM</b>	191306
<b>UniProt ID</b>	P35968

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