

Active Recombinant Human KDR protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human KDR protein(Ala20-Glu764), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	20-764 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	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.
Molecular Mass	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.
Proteinlength	Ala20-Glu764

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
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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