Active Recombinant Human KDR protein, Fc-tagged

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

SPECIFICATION

Product Overview	Recombinant Human KDR protein(Ala20-Glu764), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	20-764 a.a.
Form	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.
Bio-activity	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.
Molecular Mass	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.
Proteinlength	Ala20-Glu764
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>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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