

## Recombinant Human KDR Protein, DDK-tagged

**Cat. No.** KDR-959H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KDR(Met-Leu834-Lys1162) fused with DDK tag at C-terminal was expressed in Sf9 cells.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	-834 a.a.
<b>Description</b>	Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas.
<b>Form</b>	50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol.
<b>Molecular Mass</b>	37.2 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

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## 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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