

# Recombinant Human KDR protein, Flag-tagged, Biotinylated

Cat. No. KDR-58H Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Human KDR, cytoplasmic domain [790-1356(end) amino acids of accession number NP\_002244.1] fused with DYKDDDDK tag at N-terminal was expressed in insect cell and biotinylated.

**Species** Human

**Source** Insect Cells

**ProteinLength** 790-1356 a.a.

**Form** 50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5

**Molecular Mass** 67 kDa

**Purity** >90% as determined by SDS-PAGE and CBB staining

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Conjugation** Biotin

## GENE INFORMATION

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

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<b>Official Symbol</b>	KDR
<b>Synonyms</b>	KDR; CD309; FLK1; VEGFR; VEGFR2; soluble VEGFR2; fetal liver kinase 1; fetal liver kinase-1
<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
<b>Chromosome Location</b>	4q11-q12
<b>Pathway</b>	Angiogenesis, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem;
<b>Function</b>	ATP binding; Hsp90 protein binding; growth factor binding; integrin binding; nucleotide binding; protein binding; protein tyrosine kinase activity; receptor activity; receptor signaling protein tyrosine kinase activity; transmembrane receptor protein tyrosine kinase activity; vascular endothelial growth factor-activated receptor activity;

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