

## Active Recombinant Human KDR protein, His-GST-tagged

Cat. No. KDR-7515H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human KDR protein(NP_002244) (Asp807-Val1356) was expressed in Insect Cells, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	807-1356 aa
<b>Form</b>	Supplied as sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% gly, 2mM GSH.
<b>Bio-activity</b>	The specific activity was determined to be 10 nmol/min/mg using Poly(Glu,Tyr) 4:1 as substrate.
<b>Molecular Mass</b>	The recombinant human KDR /GST chimera consists of 787 amino acids and has a calculated molecular mass of 89.3 kDa. The recombinant protein migrates as an approximately 110 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 78 % as determined by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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**Concentration** 0.2-1.0 mg/mL.

## 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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