

## Recombinant Human KDR protein, His-Avi-tagged

**Cat. No.** KDR-667H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KDR /VEGFR2 Protein is expressed from mammalian with a poly-His and Avi tag at the C-terminal. It contains Ala20-Glu764.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	It contains Ala20-Glu764.
<b>Description</b>	Tyrosine-protein kinase that acts as a cell-surface receptor for VEGFA, VEGFB and PGF, and plays an essential role in the development of embryonic vasculature, the regulation of angiogenesis, cell survival, cell migration, macrophage function, chemotaxis, and cancer cell invasion. The tyrosine kinase receptor vascular endothelial growth factor receptor 2 (VEGFR2) is a key regulator of angiogenesis.
<b>Form</b>	Supplied as 0.22um filtered solution in 20mM PB, 150mM NaCl (pH 7.4).
<b>Molecular Mass</b>	The Protein has a calculated MW of 106.8kDa. As a result of glycosylation, the protein migrates to 115- 140kDa based on Bis-Tris PAGE.
<b>Endotoxin</b>	Less than 0.1EU per ug by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
<b>Storage</b>	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.

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**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** CD309 antigen; CD309; EC 2.7.10; EC 2.7.10.1; Fetal liver kinase 1; fetal liver kinase-1; Flk1; Flk-1; FLK1tyrosine kinase growth factor receptor; KDR; kinase insert domain receptor (a type III receptor tyrosine kinase); Kinase insert domain receptor; Protein-tyrosine kinase receptor flk-1; soluble VEGFR2; vascular endothelial growth factor receptor 2; VEGF R2; VEGFR; VEGFR2; VEGFR-21

**Gene ID** 3791

**mRNA Refseq** NM\_002253

**Protein Refseq** NP\_002244

**MIM** 191306

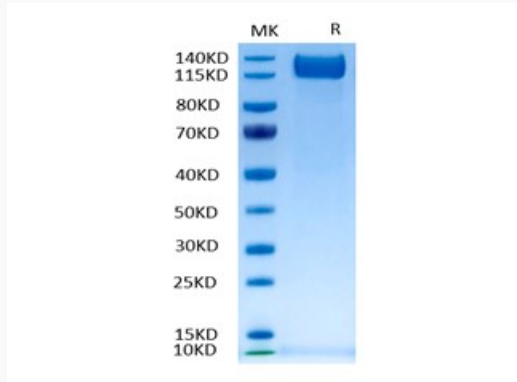
**UniProt ID** P35968

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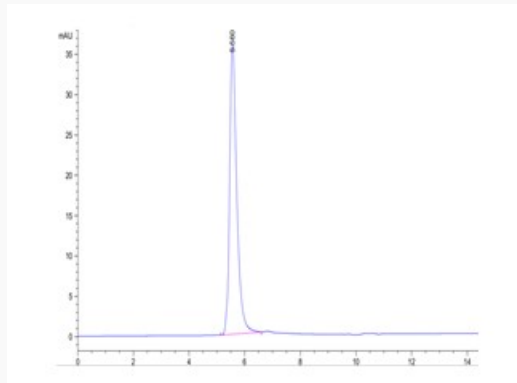
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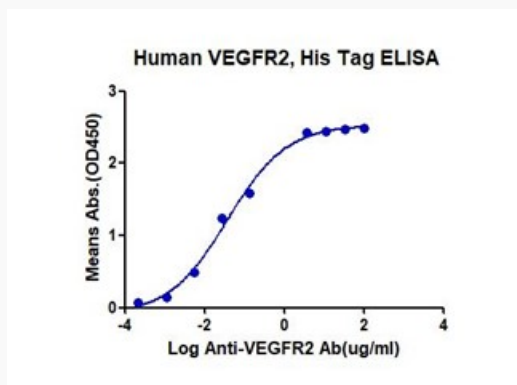
**Tris-Bis PAGE**



**HPLC data**



**ELISA data**



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