Recombinant Human KDR protein, His-Avi-tagged

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

SPECIFICATION

Product Overview	Recombinant Human KDR /VEGFR2 Protein is expressed from mammalian with a poly-His and Avi tag at the C-terminal. It contains Ala20-Glu764.
Species	Human
Source	HEK293
ProteinLength	It contains Ala20-Glu764.
Description	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.
Form	Supplied as 0.22um filtered solution in 20mM PB, 150mM NaCl (pH 7.4).
Molecular Mass	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.
Endotoxin	Less than 0.1EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.

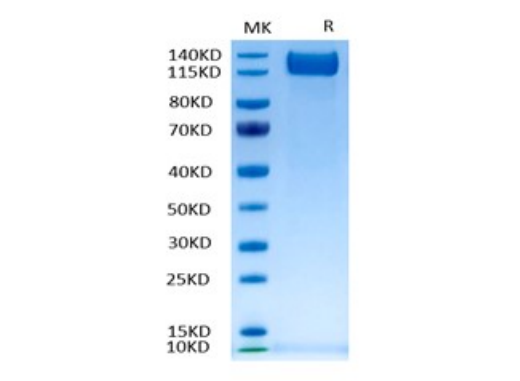
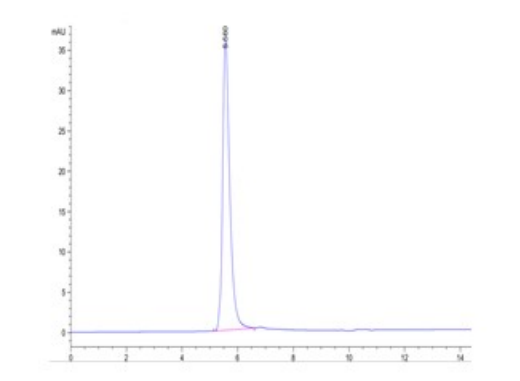
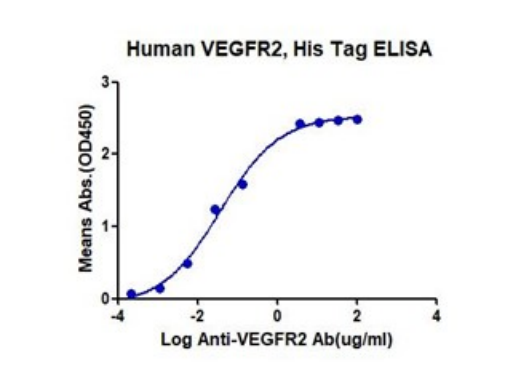
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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

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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Tris-Bis PAGE	
HPLC data	
ELISA data	

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