

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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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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

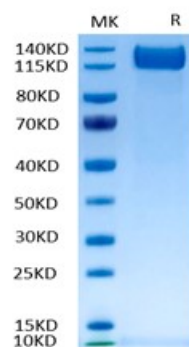
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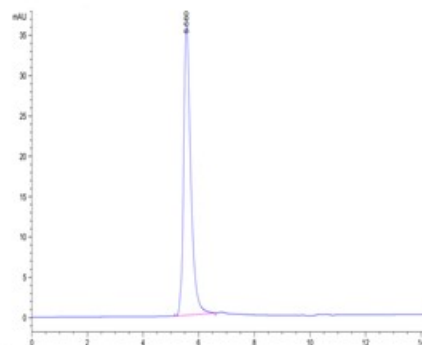
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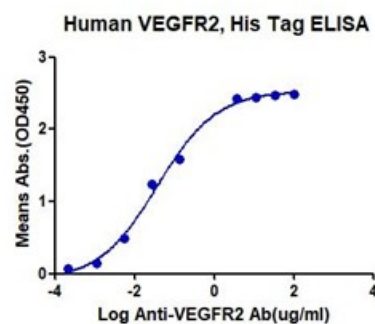
Tris-Bis PAGE



HPLC data



ELISA data



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