

VEGFR-2/KDR/CD309 active protein

Active Recombinant Human VEGFR-2/KDR/CD309 Protein

CATALOG #
AAA282490

HOST
HEK293 cells

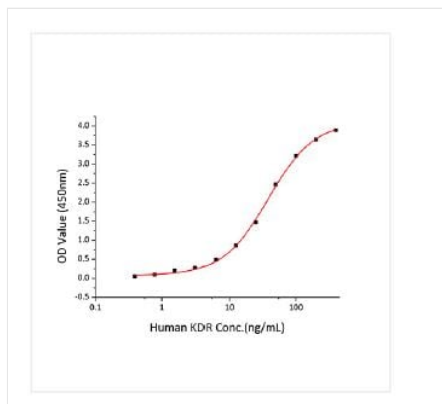
PRODUCT SYNONYMS

VEGFR-2/KDR/CD309; Active Recombinant Human VEGFR-2/KDR/CD309 Protein; CD309; FLK1; VEGFR; VEGFR2; VEGF Receptor 2; KDR; VEGFR-2/KDR/CD309 active protein

PRODUCT SPECIFICATIONS

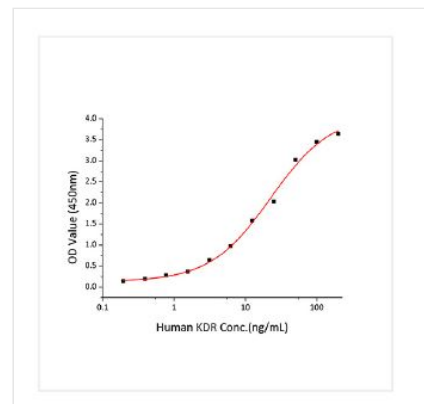
Host	HEK293 cells
Purity/Purification	> 95% by SDS-PAGE.
Form/Format	Liquid Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Species	Human
Tag	C-hFc&His
Bioactivity	1. Measured by its binding ability in a functional ELISA. Immobilized Human VEGF121 at 2 ug/mL (100 uL/well) can bind Human KDR with a linear range of 0.2-22.5 ng/mL. 2. Measured by its binding ability in a functional ELISA. Immobilized Human VEGF165 at 2 ug/mL (100 uL/well) can bind Human KDR with a linear range of 0.2-38.3 ng/mL.
Preparation and Storage	Store the lyophilized protein at -20 to -80 degree C for 12 months. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week. Avoid repeated freeze/thaw cycles. Ship: Ice Pack

IMAGES



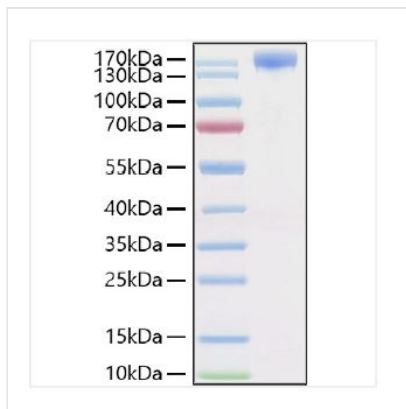
Application Data

Immobilized Recombinant Human VEGF165 at 2 ug/mL (100 uL/well) can bind Human KDR with a linear range of 0.2-38.3 ng/mL.



Application Data

Immobilized Recombinant Human VEGF121 at 2 ug/mL (100 uL/well) can bind Human KDR with a linear range of 0.2-22.5 ng/mL.



SDS-PAGE

Active Recombinant Human VEGFR-2/KDR/CD309 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 160-170kDa.

ADDITIONAL INFORMATION

Related Product Information for VEGFR-2/KDR/CD309 active protein	Active Recombinant Human VEGFR-2/KDR/CD309 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala20-Glu764) of human VEGFR2/KDR (Accession #NP_002244.1) fused with a hFc, 6×His tag at the C-terminus.
Product Categories/Family for VEGFR-2/KDR/CD309 active protein	Bio-Markers & CD Antigens; Growth Factor; Biosimilar Drug Targets

NCBI AND UNIPROT INFORMATION

NCBI GI #	11321597
NCBI GeneID	3791
NCBI Accession #	NP_002244.1
NCBI GenBank Nucleotide #	NM_002253.2
UniProt Accession #	P35968; O60723; Q14178; A2RRS0; B5A925; C5IFA0
Molecular Weight	151,527 Da
NCBI Official Full Name	vascular endothelial growth factor receptor 2
NCBI Official Synonym Full Names	kinase insert domain receptor (a type III receptor tyrosine kinase)
NCBI Official Symbol	KDR
NCBI Official Synonym Symbols	FLK1; CD309; VEGFR; VEGFR2
NCBI Protein Information	vascular endothelial growth factor receptor 2; soluble VEGFR2; fetal liver kinase 1; fetal liver kinase-1; protein-tyrosine kinase receptor Flk-1; tyrosine kinase growth factor receptor
UniProt Protein Name	Vascular endothelial growth factor receptor 2
UniProt Gene Name	KDR
UniProt Synonym Gene Names	FLK1; VEGFR2; VEGFR-2; FLK-1; KDR
UniProt Entry Name	VGFR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/hek293-active-protein/vegfr-2-kdr-cd309/282490>