

VEGF R2/KDR Recombinant Protein | VEGF recombinant protein

Biotinylated Human VEGF R2/KDR Protein Recombinant

CATALOG #	HOST
AAA76328	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

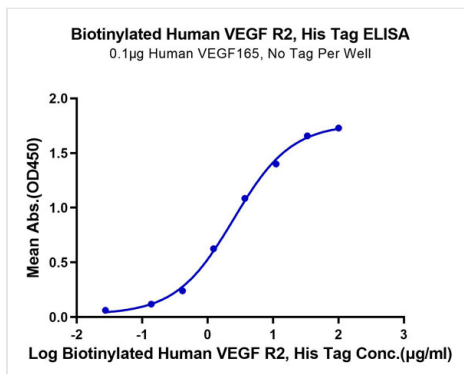
PRODUCT SYNONYMS

VEGF R2/KDR; Biotinylated Human VEGF R2/KDR Protein Recombinant; VEGF recombinant protein

PRODUCT SPECIFICATIONS

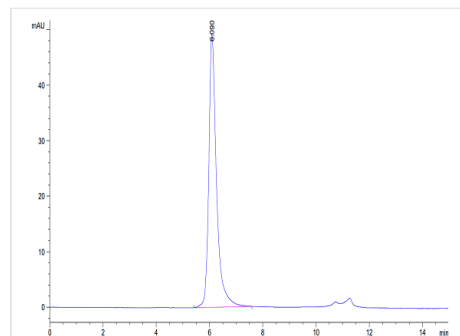
Host	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant Human VEGF R2/KDR was lyophilized from 0.2 um filtered PBS solution pH7.4
Source	DNA sequence encoding Human VEGF R2/KDR including a C-His-Avi tag was expressed in HEK293 Cells. The recombinant protein was then biotinylated site specific using the AVItag biotinylation technology.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Reconstitution	Centrifuge vial to ensure maximal product extraction, recommended: 20sec, 5K RPM
Preparation and Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20 degree C.

IMAGES



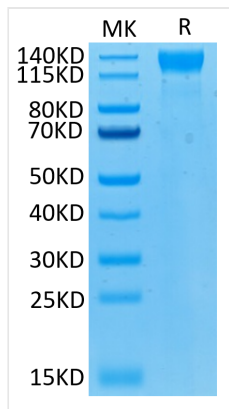
ELISA

Biotinylated Human VEGF R2/KDR Protein ELISA Data: Immobilized Anti-VEGF R2 Antibody, hFc Tag at 0.5?g/ml (100?l/well) on the plate. Dose response curve for Biotinylated Human VEGF R2, His Tag with the EC50 of 0.35?g/ml determined by ELISA.



Application Data

ELISAData - 2024-02-21T133230.373.jpg



Tris-Bis-PAGE

Biotinylated Human VEGF R2/KDR Protein Tris-Bis PAGE
Biotinylated Human VEGF R2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ADDITIONAL INFORMATION

Product Categories/Family for VEGF recombinant protein	Biotinylated proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11321597
NCBI GeneID	3791
NCBI Accession #	NP_002244.1
NCBI GenBank Nucleotide #	NM_002253.2
UniProt Accession #	P35968; P15692 VEGFA_HUMAN; P01730 CD4_HUMAN; P09619 PGFRB_HUMAN; P49763 PLGF_HUMAN; P52584; P49767 VEGFC_HUMAN; Q9MYV3 VEGFA_CANLF
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.