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Datasheet for ABIN6964112

## VEGFR2/CD309 Protein (AA 20-764) (His tag)

### 1 Image

#### Overview

Quantity:	100 µg
Target:	VEGFR2/CD309 (VEGFR2)
Protein Characteristics:	AA 20-764
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VEGFR2/CD309 protein is labelled with His tag.

#### Product Details

Purpose:	Recombinant human VEGFR2 Protein with C-terminal 6xHis tag
Specificity:	VEGFR2 (Ala20-Glu764) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

#### Target Details

Target:	VEGFR2/CD309 (VEGFR2)
Alternative Name:	VEGFR2 ( <a href="#">VEGFR2 Products</a> )
Background:	Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This

## Target Details

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gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas. [provided by RefSeq, May 2009]

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Molecular Weight: predicted molecular mass of 84.1kDa after removal of the signal peptide. The apparent molecular mass of VEGFR2-His is 130-250 kDa due to glycosylation.

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Gene ID: 3791

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UniProt: [P35968](#)

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Pathways: [RTK Signaling](#), [Glycosaminoglycan Metabolic Process](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Growth Factor Binding](#), [Regulation of long-term Neuronal Synaptic Plasticity](#), [VEGF Signaling](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

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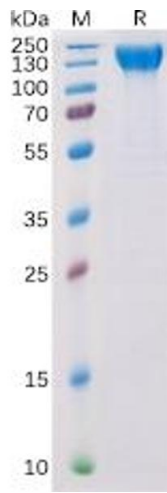
Storage: -20 °C, -80 °C

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Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

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Expiry Date: 12 months



### SDS-PAGE

**Image 1.** Human VEGFR2 Protein, His Tag on SDS-PAGE under reducing condition.