

Datasheet for ABIN5854942

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



[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	VEGFR2/CD309 (VEGFR2)
Protein Characteristics:	AA 20-764
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VEGFR2/CD309 protein is labelled with hlgG-His-tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ASVGLPS VSLDLPRLSI QKDILTIKAN TTLQITCRGQ RDLDWLWPNN QSGSEQRVEV TECSDGLFCK TLTIKPVIGN DTGAYKCFYR ETDLASVIYV YVQDYRSPFI ASVSDQHGVV YITENKNKTV VIPCLGSISN LNVSLCARYP EKRFVPDGNR ISWDSKKGFT IPSYMISYAG MVFCEAKIND ESYQSIMYIV VVVGRIYDV VLSPSHGIEL SVGEKLVNLC TARTELVNVI DFNWEYPSSK HQHKKLVNRD LKTQSGSEMK KFLSTLTIDG VTRSDQGLYT CAASSGLMTK KNSTFVRVHE KPFVAFGSGM ESLVEATVGE RVRIPAKYLG YPPPEIKWYK NGIPLESNHT IKAGHVLTIM EVSERDTGNY TVILTNPISK EKQSHVSVSLV VYVPPQIGEK SLISPVDSYQ YGTTQTLTCT VYAIPPPHEI HWYWQLEEEC ANEPSQAVSV TNPYPCEEWR SVEDFQGGNK IEVNKNQFAL IEGKNKTVST LVIQAANVSA LYKCEAVNKV GRGERVISFH VTRGPEITLQ PDMQPTEQES VSLWCTADRS TFENLTWYKL GPQPLPIHVG ELPTPVCKNL DTLWKLNATM FSNSTNDILI MELKNASLQD QGDYVCLAQD RKTKKRHCVV RQLTVLVERA PTITGNLENQ TTSIGESIEV SCTASGNPPP QIMWFKDNET LVEDSGIVLK DGNRNLTIIR VRKEDEGLYT
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Product Details

CQACSVLGCA KVEAFFIIEG AQEKTNLE

Purity: > 90% by SDS-PAGE

Endotoxin Level: < 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target: VEGFR2/CD309 (VEGFR2)

Alternative Name: VEGF R2/KDR/Flk-1 ([VEGFR2 Products](#))

Background: KDR, also known as vascular endothelial growth factor receptor 2, is one of the subtypes of VEGFR. VEGF receptors are receptors for vascular endothelial growth factor (VEGF). There are three main subtypes of VEGFR (1, 2 and 3). VEGFR2 was shown to be the primary signal transducer for angiogenesis and the development of pathological conditions like cancer. Also, this protein is expressed mainly in the endothelial cells, and the expression is upregulated in the tumor vasculature. Recombinant human KDR protein, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 110.5 kDa (987aa)

NCBI Accession: [NP_002244](#)

UniProt: [P35968](#)

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

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

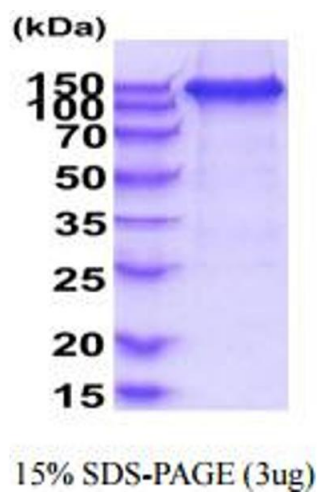
Buffer: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

Storage: 4 °C,-20 °C,-80 °C

Handling

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

Images



SDS-PAGE

Image 1.