

Product datasheet for **AR26018PU-L**

CD309 / VEGFR-2 / Flk-1 (esKDR) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CD309 / VEGFR-2 / Flk-1 (esKDR) human recombinant protein, 20 µg
Species:	Human
Expression Host:	Insect
Expression cDNA Clone or AA Sequence:	ASVGLPSVSL DLPRLSIQKD ILTIKANTTL QITCRGQRDL DWLWPNNQSG SEQRVEVTEC SDGLFCKTLT IPKVIGNDTG AYKCFYRETD LASVIYVVVQ DYRSPFIASV SDQHGCVYIT ENKNKTWVIP CLGSISNLNV SLCARYPEKR FVPDGNRISW DSKKGFTIPS YMISYAGMVF CEAKINDESY QSIMYIVVVV GYRIYDVVLS PSHGIELSVG EKLVLNCTAR TELNVGIDFN WEYPSSKHQH KKLVNRDLKT QSGSEMKKFL STLTIDGVTR SDQGLYTCAA SSSLMTKKNS TFVRVHEKPF VAFGSGMESL VEATVGERVR IPAKYLGYPP PEIKWYKNGI PLESNHTIKA GHVLTIMEVS ERDTGNYTVI LTNPISKEKQ SHVSLVWYV PPQIGEKSLI SPVDSYQYGT TQTLTCTVYA IPPPHHHHWY WQLEEECANE PSQAVSVTNP YPCEEWRVSE DFQGGNKIEV NKNQFALIEG KNKTVSTLVI QAANVSALYK CEAVNKVGRG ERVISFHVTR GPEITLQPDM QPTEQESVSL WCTADRSTFE NLTWYKLGPO PLPIHVGELP TPVCKNLDTL WKLNATMFSN STNDILIMEL KNASLQDQGD YVCLAQDRKT KKRHCVWRQL TVLGRETILD HCAEAVGMP
Predicted MW:	~ 105 kDa
Purity:	>95% by SDS-PAGE and silver stain
Buffer:	Presentation State: Purified State: Lyophilized protein Buffer System: 25 mM MES, 100 mM NaCl, pH 5.5 Stabilizer: None
Bioactivity:	Biological: Measured by its ability to inhibit the VEGF165-induced proliferation in Human umbilical vein endothelial (HUVE) cells.
Endotoxin:	< 0.1 ng per µg of esKDR
Reconstitution Method:	The lyophilized human sKDR is soluble in water and most aqueous buffers; it should be restored in water or PBS to a concentration of not lower than 100 µg/ml.
Preparation:	Lyophilized protein
Protein Description:	Recombinant human esKDR generated by alternative splicing consist of the first 6 Ig-like loops followed by the unique C-terminal end: GMEASLGDRAMP. Subunit: glycosylated monomer



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Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_002244
Locus ID:	3791
UniProt ID:	P35968
Cytogenetics:	4q12
Synonyms:	CD309; FLK1; VEGFR; VEGFR2
Summary:	Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This 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]
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Endocytosis, Focal adhesion, VEGF signaling pathway

Product images:

