

## Vascular Endothelial Growth Factor Receptor-2 Human Recombinant

<b>Item Number</b>	rAP-2116
<b>Synonyms</b>	KDR D1-7, sKDR D1-7, Kinase insert domain receptor, Protein-tyrosine kinase receptor Flk-1, CD309, type III receptor tyrosine kinase, FLK1, VEGFR-2.
<b>Description</b>	Soluble VEGFR-2 Human Recombinant produced in baculovirus is monomeric, glycosylated, polypeptide having a molecular mass of 116 kDa. The soluble receptor protein contains only the first 7 extracellular domains, which contain all the information necessary for ligand binding. The sKDR is purified by proprietary
<b>Uniprot Accesion Number</b>	P35968
<b>Amino Acid Sequence</b>	ASVGLPSVSLD LPRLSIQKDI LTIKANTTLQ ITCRGQRDLD WLWPNNQSGS EQRVEVTECS DGLFCKTL-TI PKVIGNDTGA YKCFYRETDL ASVIYVVYQD YRSPFIASVS DQHGVVYITE NKNKTVVIPC LGSISNLNVS LCARYPEKRF VPDGNRISWD SKKGFTIPSY MISYAGMVFC EAKINDESYQ SIMYIVVVVG YRIYDVVLSP SHGIELSVGE KLVLNCTART ELNVGIDFNW EYPSSKHQHK KLVNRDLKTQ SGS- EMKKFLS TLTIDGVTRS DQGLYTCAAS SGLMTKKNST FVRVHEKPFV AFGSGMESLV EATVGERVRI PAKYLGPPP EIKWYKNGIP LESNHTIKAG HVLTIMEVSE RDTGNYTVIL TNPISEKQGS HVVSLVVYVP
<b>Source</b>	Insect Cells.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized VEGFR-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FLK1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	KDR was lyophilized from a concentrated (1mg/ml) sterile solution containing 25mM MES pH-5.5 and 100mM NaCl. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized VEGFR2 in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**