

VEGFR2, human recombinant proteinFetal liver kinase 1, Kinase insert domain receptor, Protein-tyrosine kinase receptor
flk-1

Catalog # PBV10508r

Specification**VEGFR2, human recombinant protein - Product info**

Primary Accession

[P35968](#)

Calculated MW

116 kDa KDa

VEGFR2, human recombinant protein - Additional Info

Gene ID

3791

Gene Symbol

VEGFR2

Other Names

Fetal liver kinase 1, Kinase insert domain receptor, Protein-tyrosine kinase receptor flk-1

Gene Source

Human

Source

Insect cells

Assay&Purity

SDS-PAGE; ≥95%

Assay2&Purity2

HPLC;

Recombinant

Yes

Results

10.0 ng/ml

Sequence

ASVGLPSVSL DLPRLSIQKD ILTIKANTTL
QITCRGQRDL DWLWPNNQSG SEQRVEVTEC
SDGLFCKTLT IPKVIGNDTG AYKCFYRETD
LASVIYVYVQ DYRSPFIASV SDQHGCVYIT
ENKNKTVVIP CLGSISNLNV SLCARYPEKR
FVPDGNRISW DSKKGFTIPS YMISYAGMVF
CEAKINDESY QSIMYIVVVV GYRIYDVVLS
PSHGIELSVG EKLVLNCTAR TELNVGIDFN
WEYPSSKHQH KKLVNRLDKT QSGSEMKKFL
STLTIDGVTR SDQGLYTCAA SSGLMTKKNS
FVRVHEKPFV AFGSGMESLV EATVGERVRI
PAKYLGYPPP EIKWYKNGIP LESNHTIKAG
HVLTIMEVSE RDTGNYTVIL TNPISKEKQS
HVVSLVYVVP TPQIGEKSLI SPVDSYQYGT
TQTLTCTVYA IPPPHHHHWY WQLEEECAN
PSQAVSVTNP YPCEEWRSVE DFQGGNKIEV
NKNQFALIEG KNKTVSTLVI QAANVSALYK
CEAVNKVGRG ERVISFHVTR GPEITLQPD
QPTREQESVSL WCTADRSTFE NLTWYKLG
PLPIHVGELP TPVCKNLDTL WKLNATMFSN
STNDILIMEL KNASLQDQGD YVCLAQDRKT
KKRHCVVRQL TVLERVAPTI TGNLENQTTS
IGESIEVSCT ASGNPPPQIM WFKDNETLVE
DSGIVLKDGN RNLTIKRVK EDEGLYTCQA
CSVLGCAKVE AFFIIEGA**Application Notes**

Reconstitute in sterile water to a concentration not less than 0.1 mg/ml. This solution can then be

stored at 4°C for 2-7 days. For future use for future use; For long term storage it is recommended to add a carrier protein (0.1 % HSA or BSA) then store at -20°C. Avoid freeze-thaw cycles.

Format

Lyophilized protein

Storage

-20°C; KDR was lyophilized from a sterile solution containing 25 mM MES pH 5.5 and 100 mM NaCl.

VEGFR2, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

VEGFR2, human recombinant protein - Images**VEGFR2, human recombinant protein - Background**

VEGFR-2 has a lower affinity for VEGF than the Flt-1 receptor, but a higher signaling activity. Mitogenic activity in endothelial cells is mainly mediated by VEGFR-2 leading to their proliferation. No naturally occurring, secreted forms of VEGFR-2 have so far been reported. The binding of VEGF165 to VEGFR-2 is dependent on heparin. 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 chromatographic techniques.

VEGFR2, human recombinant protein - References

Jin P., et al. Arthritis Res. Ther. 10:R73-R73(2008).
Albuquerque R.J., et al. Nat. Med. 15:1023-1030(2009).
Yin L.Y., et al. Submitted (DEC-1997) to the EMBL/GenBank/DDBJ databases.
Yu Y., et al. Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.
Hillier L.W., et al. Nature 434:724-731(2005).