

# Eukaryotic Vascular Endothelial Growth Factor Receptor 2 (VEGFR2)

Catalog No.: TP04932

50µg

## Sequence Information

**Species:** Human

**Gene ID:**3791

**Swiss Prot:**P35968

**Synonyms:**CD309; FLK1; VEGFR; KDR; A

Type III Receptor Tyrosine Kinase;

Kinase Insert Domain Receptor; Kinase

Insert Domain Receptor; Fetal Liver

Kinase-1

**Residues:**Ala20-Glu764

ASVGLPSVSLDLPRLSIQKDILTIKANTTLQITCRGQRDLWLWPNNQSGSEQR  
VEVTECDGLFCKLTLTIPKVI GNDTGAYKCFYRETDLASVIYVVYVQDYRSPFIA  
SVSDQHGVVYITENKNKTVVIPCLGSISNLNVSLCARYPEKRFVDPGNRISWDS  
KKGFTIPSYMISYAGMVFEAKINDESYQSIMYIVVVVGYRIYDVVLSPSHGIE  
LSVGEKLVLNCTARTELVNGIDFNWEYPSKHKHKL VNRDLKTQSGSEMKKFL  
STLTIDGVTRSDQGLYTCAASSGLMTKKNSTFVRVHEKPFVAFGSGMESLVEAT  
VGERVRIPAKYLGYPPPEIKWYKNGIPLSNHTIKAGHVLTIMEVSRDGTNYT  
VILTNPISKEKQSHVSVLVVYVPPQIGEKSLISPVDSYQYGTQTTLCTVYAIP  
PPHHIHWWYQLEEECANEPSQAVSVTNPYPCEEWRSVEDFQGGNKIEVNKNQFA  
LIEGKNKTVSTLVIQAANVSALYKCEAVNKVGRGERVISFHVTRGPEITLQPDM  
QPTEQESVSLWCTADRSTFENLTWYKLGQPQLPIHVGELPTPVCKNLDTLWKLN  
ATMFSNSTNDILIMELKNASLQDQGDYVCLAQDRKTKKRHCVVRQLTVLERVAP  
TITGNLENQTTSIGESIEVSTASGNPPPQIMWFKDNETLVEDSGIVLKDGNRN  
LTIRRVKEDGLYTCQACSVLGC AKVEAFFIIEGAQEKTNLE

## Product Information

**Source:** Eukaryotic expression.

**Host:** 293F cell

**Tags:** N-terminal His-Tag

**Subcellular Location:** Membrane, Nucleus, Secreted, Cytoplasm, Endoplasmic reticulum lumen, Endosome.

**Purity:** >95%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Original Concentration:** 200µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 6.1

**Predicted Molecular Mass:** 84.9kDa

**Accurate Molecular Mass:** 90kDa as determined by SDS-PAGE reducing conditions.

## [ USAGE ]

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

## [ STORAGE AND STABILITY ]

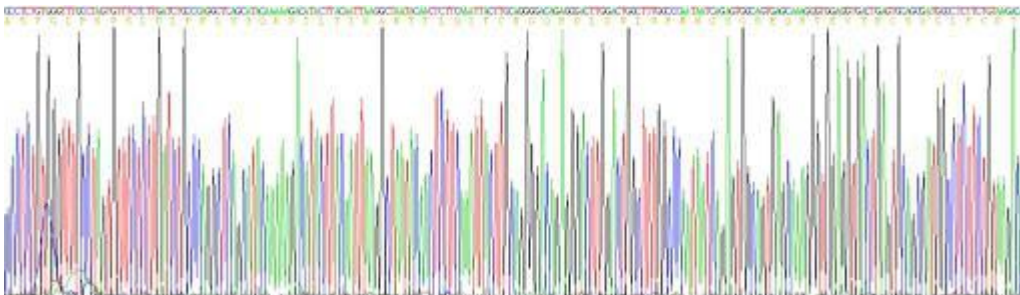
**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

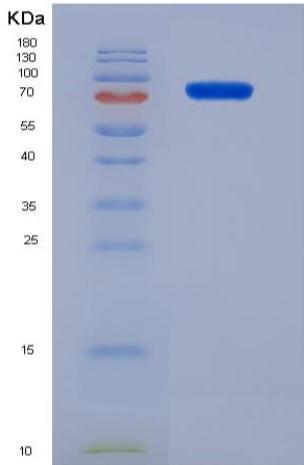
Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## [ IDENTIFICATION ]



**Figure 1. Gene Sequencing (Extract)**



**Figure 2. SDS-PAGE**

**[ IMPORTANT NOTE ]**

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.