

# Canine VEGF / VEGFA / VEGF165 recombinant protein



Catalog Number: 502636

## General Information

### Gene Name Synonym

Vascular permeability factor

### Protein Construction

A DNA sequence encoding the canine VEGFA(NP\_001103972.1) (Met1-Arg190) was expressed.

### Organism

Canine

### Expression Host

Human Cells

## QC Testing

### Activity

Immobilized canine VEGFA at 10 µg/ml (100 µl/well) can bind human VEGFR2-Fc (Cat:501107), The EC<sub>50</sub> of human VEGFR2-Fc (Cat:501107) is 33.83-78.95 ng/ml.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Ala 27

## Molecular Mass

The recombinant canine VEGFA comprises 164 amino acids and has a predicted molecular mass of 19.1 kDa. The apparent molecular mass of the protein is approximately 23 kDa in SDS-PAGE under reducing conditions due to glycosylation.

## Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

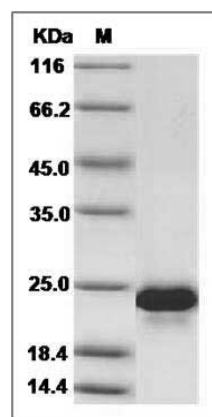
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Canine VEGF / VEGFA Protein SDS-PAGE