

# Rat VEGF / VEGFA / VEGF165 recombinant protein



Catalog Number: 500590

## General Information

### Gene Name Synonym

Vascular permeability factor

### Protein Construction

A DNA sequence encoding the rat VEGF 164 isoform (AAA41211.1) (Met 1-Arg 190) was expressed.

### Organism

Rat

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED<sub>50</sub> for this effect is typically 1-10 ng/ml.

### Purity

> 86 % 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 secreted recombinant rat VEGF164 consists of 164 amino acids and has a predicted molecular mass of 19.2 kDa. The apparent molecular mass of the rat VEGF164 is approximately 25 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, pH 7.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

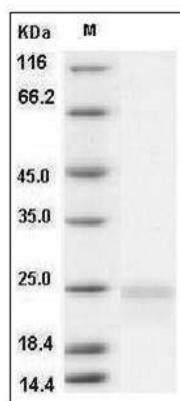
### Storage

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



Rat VEGF164 / VEGFA Protein SDS-PAGE