# 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  $ED_{50}$  for this effect is typically 1-10 ng/ml.

#### **Purity**

> 86 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

## **Stability**

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}$ 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**

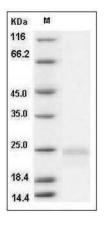
## Storage

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