

## General Information

### Gene Name Synonym

VEGF-A; Vascular permeability factor; VPF

### Protein Construction

A DNA sequence encoding the human VEGF 183 isoform (P15692-3) (Met1-Arg209) was expressed.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC) (Conn, G. et al. 1990, Proc. Natl. Acad. Sci. USA 87:1323.). The ED<sub>50</sub> for this effect is typically 10-50 ng/ml.

### Purity

> 95 % as determined by SDS-PAGE.

### Endotoxin

< 1.0 EU per µg 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 human VEGF 183 isoform consists of 183 amino acids and has a predicted molecular mass of 21 kDa.

## Formulation

Lyophilized from sterile pH 7.92 100 mM glycine , 10 mM NaCl.

1. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
2. Please contact us for any concerns or special requirements.

## Usage Guide

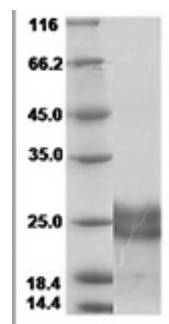
### Storage

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

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

## SDS-PAGE



Human VEGF 183 / VEGF-A Protein SDS-PAGE