

Human VEGFA recombinant protein (Native)



Catalog Number: 514912

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 ED₅₀ 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

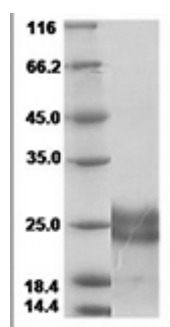
Storage

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