

Recombinant Human VEGF-B/VEGF186 Protein

Catalog No.: RP01118 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 7423 P49765

Tags N-hFc

Synonyms

VEGFB;VEGFL;VRF;VEGF-B

Product Information

Source Purification Mammalian ≥ 95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

45.7 kDa 40, 60 kDa

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

This protein is a member of the PDGF (platelet-derived growth factor)/VEGF (vascular endothelial growth factor) family. The VEGF family members regulate the formation of blood vessels and are involved in endothelial cell physiology. This member is a ligand for VEGFR-1 (vascular endothelial growth factor receptor 1) and NRP-1 (neuropilin-1). Studies in mice showed that this gene was co-expressed with nuclear-encoded mitochondrial genes and the encoded protein specifically controlled endothelial uptake of fatty acids. Alternatively spliced transcript variants encoding distinct isoforms have been identified.

Basic Information

Description

Recombinant Human VEGF-B Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Pro22-Ala207) of human VEGFB (Accession #P49765) fused with a human IgG1 Fc tag at the N-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

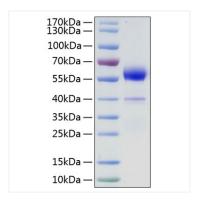
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Human VEGF-B/VEGF186 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.