Recombinant Human VEGF-B/VEGF186 Protein

Catalog No.: RP01118

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Sequence Information

Species
Human

Gene ID
7423

Swiss Prot
P49765

Tags
N-hFc

Synonyms
VEGFB,VEGFL,VRF,VEGF-B

Product Information

Source
Mammalian

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
45.7 kDa

Observed MW
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.

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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

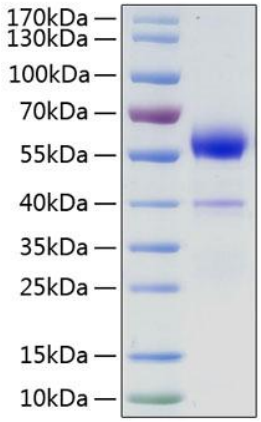
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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