

PRODUCT INFORMATION

Target VEGFB

VRF; VEGFL **Synonyms**

Recombinant human VEGFB Protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** P49765 **Expression Host HEK293**

Tag C-Human Fc tag

Molecular

Purity

Background

Usage

VEGFB(Pro22-Ala207) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 45.5 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation &

lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

This gene encodes 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 nuclearencoded mitochondrial genes and the encoded protein specifically controlled endothelial uptake of fatty acids. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Sep 2011]

> Email: info@dimabio.com Website: www.dimabio.com

Research use only

Conjugate Unconjugated

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China Telephone: +1 2409940618(USA) /+86-18062749453(China)

/+86-400-006-0995(China)





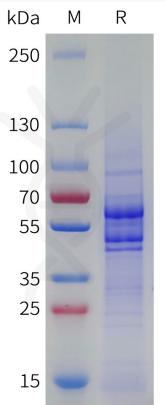


Figure 1. Human VEGFB Protein, hFc Tag on SDS-PAGE under reducing condition.

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