PRODUCT INFORMATION

Target	VEGFB
Synonyms	VRF; VEGFL
Description	Recombinant human VEGFB Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P49765
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	VEGFB(Pro22-Ala207) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 45.5 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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). Lyophilized proteins are shipped at ambient temperature.
Background	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 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. [provided by RefSeq, Sep 2011]
Usage	Research use only
Conjugate	Unconjugated

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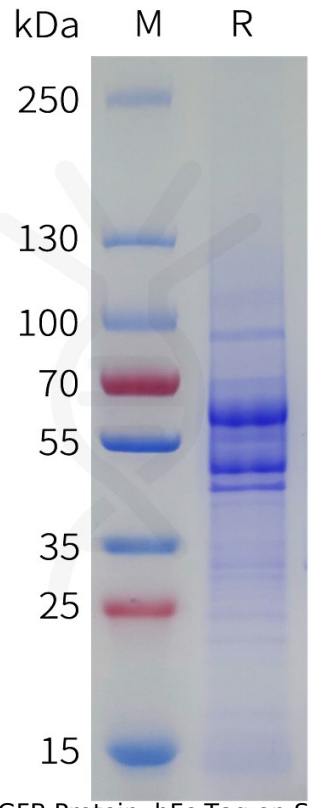


Figure 1. Human VEGFB Protein, hFc Tag on SDS-PAGE under reducing condition.

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