Product Name: Recombinant Human VEGFB (N-Fc)
Catalog #: PHH1980

Summary

Name	VEGFB/Vascular Eendothelial Growth Factor B
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Vascular Endothelial Growth Factor B is produced by our Mammalian expression system and the target gene encoding Pro22-Ala207 is expressed with a human IgG1 Fc tag at the N-terminus.
Accession #	P49765
Host	Human Cells
Species	Human
Predicted Molecular Mass	45.7 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Glycine, 6% Sucrose, 5% Mannitol, 0.05% Tween80, pH3.0.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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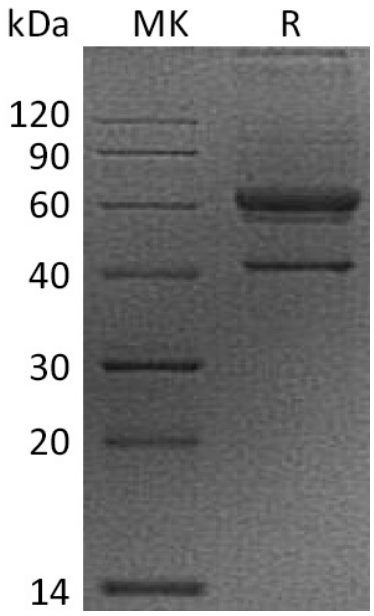

Alternative Names

Vascular endothelial growth factor B;VEGF-B;VEGF-related factor;VRF

Background

VEGFB, as known as VRF, is a member of the VEGF family of growth factors that share structural and functional similarity. By alternative splicing, two isoforms of mature VEGF-B containing 167 or 186 amino acid (aa) residues exist. VEGF-B is expressed in most tissues, especially in heart, skeletal muscle and pancreas. The two VEGF-B isoforms have identical amino-terminal cysteine-knot VEGF homology domains but the carboxyl end of VEGF-B167 differs from that of VEGF-B186 by the presence of a highly basic cysteine-rich heparin binding domain. VEGF-B167 and a proteolytically processed form of VEGF-B186 also bind neuropilin-1, a type I transmembrane receptor for semaphorins/collapsins, ligands involved in neuron guidance.

Note

For Research Use Only , Not for Diagnostic Use.