

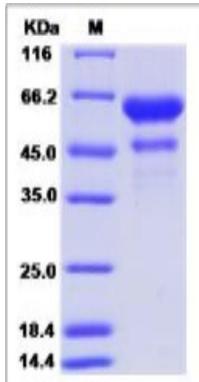
VEGFB

Recombinant Human VEGF-B (Fc Tag)

Catalog No.	CRH506A-Fc CRH506B-Fc	Quantity: 20 µg 100 µg
Alternate Names:	Vascular endothelial growth factor B, VEGF-B, VEGF-related factor, VRF	
Description:	Vascular endothelial growth factor-B (VEGF-B) is closely related to VEGF-A, an effector of blood vessel growth during development and disease and a strong candidate for angiogenic therapies. In details, VEGFB can positively prevent the Ang II-induced rising in the size of cardiomyocyte as well as reduce Ang II-induced mRNA and protein levels of β-MHC (β-myosin heavy chain), BNP (brain natriuretic peptide), and ANP (atrial natriuretic peptide). Moreover, VEGFB can regulate the decline of the Ang II-induced rising in Ca ²⁺ .	
UniProt ID:	P49765	
Accession Number:	NP_003368.1	
Protein Construction:	A DNA sequence encoding the human VEGFB (Pro22-Ala207) was expressed with the Fc region of human IgG1 at the N-terminus.	
Source:	HEK293 Cells	
Formulation:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.	
Molecular Weight:	The recombinant human VEGFB consists 446 amino acids and predicts a molecular mass of 47.8 kDa.	
Purity:	> 95 % as determined by SDS-PAGE	
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method	
Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized human S4-Fc3L3-VEGFB at 10 µg/ml (100 µL/well) can bind biotinylated human NRP1-Fc, The EC50 of biotinylated human NRP1-Fc is 0.03-0.07µg/mL.	
Predicted N-terminal:	Glu	
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.	
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.	



SDS-PAGE



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Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com