

# VEGF-B, Human CellExp™, human recombinant

<b>CATALOG #:</b>	7230-10	10 µg
<b>ALTERNATE NAMES:</b>	VRF, VEGFL, VEGFB, VEGF-B	
<b>SOURCE:</b>	HEK 293 cells (Arg 22 - Ala 207)	
<b>PURITY:</b>	≥ 95% by SDS-PAGE gel	
<b>MOL. WEIGHT:</b>	The protein is fused with 6 × His tag at the C-terminus and has a calculated MW of 20.2 kDa. The predicted N-terminus is Arg 22. DTT-reduced Protein migrates as 15-18 kDa and 33-35 kDa due to glycosylation.	
<b>ENDOTOXIN LEVEL:</b>	<1 EU/µg by LAL method	
<b>FORM:</b>	Lyophilized	

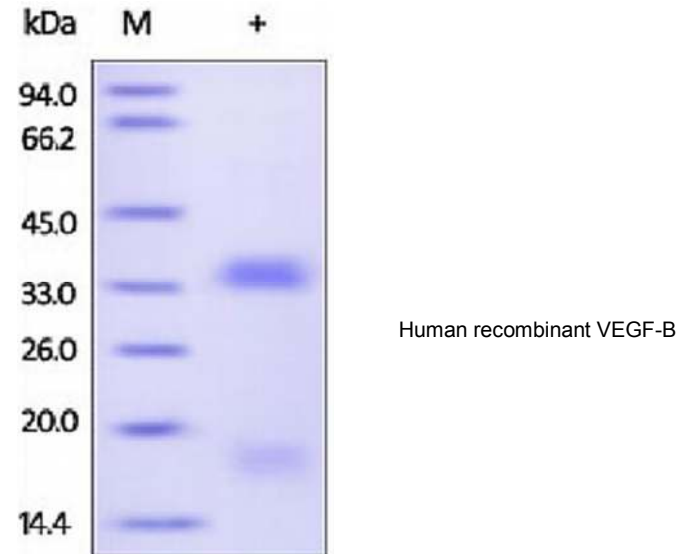
**FORMULATION:** Lyophilized from 0.22 µm filtered solution in PBS. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

**STORAGE CONDITIONS:** Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

**RECONSTITUTION:** Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

**DESCRIPTION:** Vascular endothelial growth factor B (VEGFB) also known as VEGF-related factor (VRF), is a secreted O-glycosylated protein, which belongs to the PDGF/VEGF growth factor family. VEGFB is expressed in all tissues except liver. Highest levels found in heart, skeletal muscle and pancreas. VEGFB is growth factor for endothelial cells. VEGF-B seems to play a role only in the maintenance of newly formed blood vessels during pathological conditions. VEGF-B also plays an important role on several types of neurons. It is important for the protection of neurons in the retina and the cerebral cortex during stroke and of motoneurons during motor neuron diseases such as

amyotrophic lateral sclerosis. VEGF-B167 binds heparin and neuropilin-1 whereas the binding to neuropilin-1 of VEGF-B186 is regulated by proteolysis.



## RELATED PRODUCTS:

- Human CellExp™ Human Recombinant VEGF-C (Cat # 7231-10)
- Human CellExp™ Human Recombinant VEGF 165 (Cat # 6485-10, -50)
- VEGF121, human recombinant (Cat. No. 4963-10, -50, -1000)
- VEGF165, human recombinant (Cat. No. 4363-10, -50, -1000)
- VEGF165, murine recombinant (Cat. No. 4364-10, -50, -1000)
- VEGF165, rat recombinant (Cat. No. 4365-10, -50, -1000)
- VEGF120, murine recombinant (Cat. No. 4964-10, -100, -1000)
- VEGF-B, human recombinant (Cat. No. 4642-10, -20, -1000)
- VEGF-C, human recombinant (Cat. No. 4633-10, -50, -1000)
- VEGF-C, murine recombinant (Cat. No. 4634-10, -50, -1000)
- VEGF-C, rat recombinant (Cat. No. 4635-10, -50, -1000)
- VEGF-D, human recombinant (Cat. No. 4343-10, -50, -1000)

**FOR RESEARCH USE ONLY! Not to be used in humans.**