

**Human CellExp VEGF-B, human recombinant protein**  
**VRF, VEGFL, VEGFB, VEGF-B**  
**Catalog # PBV10860r****Specification**

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**Human CellExp VEGF-B, human recombinant protein - Product info**Primary Accession  
Calculated MW[P49765](#)

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. KDa

**Human CellExp VEGF-B, human recombinant protein - Additional Info**Gene ID  
Gene Symbol  
**Other Names**  
VRF, VEGFL, VEGFB, VEGF-B**7423**  
**VEGF-B**Gene Source  
Source  
Assay&Purity  
Assay2&Purity2  
Recombinant  
**Target/Specificity**  
VEGF-B**Human**  
**HEK 293 cells**  
**SDS-PAGE; ≥95%**  
**HPLC;**  
**Yes****Application Notes**

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.

**Format**

Lyophilized powder

**Storage**

-20°C; Lyophilized from 0.22 µm filtered solution in PBS. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

**Human CellExp VEGF-B, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Human CellExp VEGF-B, human recombinant protein - Images**

#### **Human CellExp VEGF-B, human recombinant protein - Background**

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.

#### **Human CellExp VEGF-B, human recombinant protein - References**

Grimmond S., et al. Genome Res. 6:124-131(1996).  
Olofsson B., et al. J. Biol. Chem. 271:19310-19317(1996).  
Olofsson B., et al. Proc. Natl. Acad. Sci. U.S.A. 93:2576-2581(1996).  
Iyer S., et al. J. Mol. Biol. 359:76-85(2006).