

# Recombinant Human Vascular Endothelial Growth Factor B, His-tagged

**Cat. No.** VEGFB-128H    **Lot. No.** (See product label)

## SPECIFICATION

|                                 |  |
|---------------------------------|--|
| <b>Product Overview</b>         | Recombinant human VEGF-B protein was expressed in E.coli and purified by using conventional chromatography techniques, 21.6 kDa (207 aa).  |
| <b>Species</b>                  | Human  |
| <b>Source</b>                   | E.coli   |
| <b>Description</b>              | VEGF-B, also known as Vascular endothelial growth factor-B, is one of 5 mammalian VEGF family members, the others being VEGF-A, VEGF-C, VEGF-D, and placental growth factor (PlGF). VEGF-B binds to one of the VEGF receptor tyrosine kinases, namely VEGF receptor-1 (VEGFR1, Flt1), but not to VEGFR2 and VEGFR3. VEGF-B is homodimeric, heparin-binding glycoprotein involved in embryonic angiogenesis and vasculogenesis. |
| <b>Sequences of amino acids</b> | MGSSHHHHHH SSSLVPRGSH MPVSQPDAPG HQRKVVSWID VYTRATCQPR<br>EVVVPLTVEL MGTVAKQLVP SCVTVQRCCG CCPDDGLECV PTGQHQVRMQ<br>ILMIRYPSSQ LGEMSLEEHS QCECRPKKKD SAVKPDRAAT PHHRPQPRSV<br>PGWDSAPGAP SPADITHPTP APGPSAHAAP STTSALTPGP AAAAADAAAS<br>SVAKGGA  |
| <b>Formulation</b>              | Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 10% glycerol  |
| <b>Purity</b>                   | > 90% by SDS - PAGE  |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Concentration** 1 mg/ml (determined by Bradford assay)

**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** VEGFB vascular endothelial growth factor B [ Homo sapiens ]

**Synonyms** VEGF-B; VEGFL; VRF; VEGF-related factor; vascular endothelial growth factor B; VEGFB;VEGF-related factor (VRF)

**Gene ID** 7423

**mRNA Refseq** NM\_003377

**Protein Refseq** NP\_003368

**MIM** 601398

**UniProt ID** P49765

**Chromosome Location** 11q13

**Pathway** Cytokine-cytokine receptor interaction; Focal adhesion; Pancreatic cancer; Renal cell carcinoma; mTOR signaling pathway; Hemostasis; Signaling by VEGF

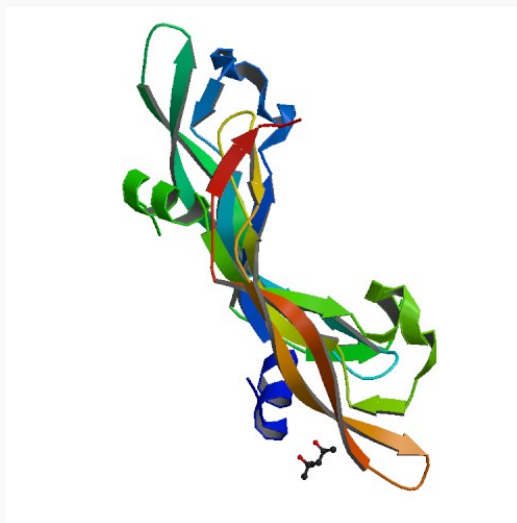
**Function** growth factor activity; heparin binding; protein binding; vascular endothelial growth factor receptor binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PDBrendering based  
on 2c7w. Available  
structures:2c7w



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA