

Recombinant Human Vascular Endothelial Growth Factor B, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human VEGF-B protein was expressed in E.coli and purified by using conventional chromatography techniques, 21.6 kDa (207 aa).
Species	Human
Source	E.coli
Description	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.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MPVSQPDAPG HQRKVVSWID VYTRATCQPR EVVVPLTVEL MGTVAKQLVP SCVTVQRCGG CCPDDGLECV PTGQHQVRMQ ILMIRYPSSQ LGEMSLEEHS QCECRPKKKD SAVKPDRAAT PHHRPQPRSV PGWDSAPGAP SPADITHPTP APGPSAHAAP STTSALTPGP AAAAADAAS SVAKGGA
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 10% glycerol
Purity	> 90% by SDS - PAGE

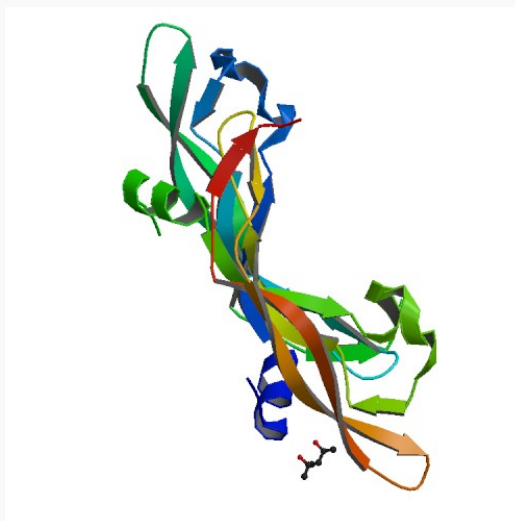
 Tel: 1-631-559-9269 1-516-512-3133

 Email: 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

PDBrendering based
on 2c7w. Available
structures:2c7w



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