

Active Recombinant Human VEGFB Protein

Cat. No. VEGFB-107H Lot. No. (See product label)

SPECIFICATION

Product Overview	The mature recombinant human VEGF-B protein (22-188aa) without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a member of the PDGF (platelet-derived growth factor)/VEGF (vascular endothelial growth factor) family. The VEGF family members regulate the formation of blood vessels and are involved in endothelial cell physiology. This member is a ligand for VEGFR-1 (vascular endothelial growth factor receptor 1) and NRP-1 (neuropilin-1). Studies in mice showed that this gene was co-expressed with nuclear-encoded mitochondrial genes and the encoded protein specifically controlled endothelial uptake of fatty acids. Alternatively spliced transcript variants encoding distinct isoforms have been identified.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant rat Neuropilin-1 Fc Chimera at 4 µg/mL (100 µL/well) can bind recombinant human VEGF-B with a linear range of 0.3-20 ng/mL.
Molecular Mass	19 kDa
Product-Related Proteins	22-188

 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

Storage	At -80 centigrade. Avoid repeated freeze-thaw cycles.
----------------	---

Storage Buffer	PBS
-----------------------	-----

GENE INFORMATION

Gene Name	VEGFB vascular endothelial growth factor B [Homo sapiens (human)]
------------------	---

Official Symbol	VEGFB
------------------------	-------

Synonyms	VEGFB; vascular endothelial growth factor B; VRF; VEGFL; vascular endothelial growth factor B; Names; VEGF-related factor
-----------------	---

Gene ID	7423
----------------	------

mRNA Refseq	NM_003377
--------------------	-----------

Protein Refseq	NP_003368
-----------------------	-----------

MIM	601398
------------	--------

UniProt ID	P49765
-------------------	--------

 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