

# Recombinant Human VEGFB Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** VEGFB-1952H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

VEGFB MS Standard C13 and N15-labeled recombinant protein (NP\_003368) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### 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.

### Molecular Mass

21.6 kDa

### AA Sequence

MSPLLRLLLLAALLQLAPAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPL  
 TVELMGTVAKQLVPSCVTVQRCGGCCPDDGLECVPTGQHQVRMQILMIRYPSSQL  
 GEMSLEEHSQCECRPKKKDSAVKPDRAATPHHRPQPRSVPGWDSAPGAPSPADIT  
 HPTPAPGPSAHAAPSTTSALTPGPAAAAADAAASSVAKGGATRTRPLEQKLISEEDL  
 AANDILDYKDDDDKV

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<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	VEGFB vascular endothelial growth factor B [ Homo sapiens (human) ]
<b>Official Symbol</b>	VEGFB
<b>Synonyms</b>	VEGFB; vascular endothelial growth factor B; VRF; VEGFL; VEGF-related factor;
<b>Gene ID</b>	7423
<b>mRNA Refseq</b>	NM_003377
<b>Protein Refseq</b>	NP_003368
<b>MIM</b>	601398
<b>UniProt ID</b>	P49765

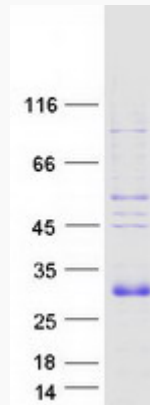
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SDS-PAGE



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