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# Datasheet for ABIN2181909 VEGFB Protein (AA 22-207) (His tag)





### Overview

Quantity:	50 µg
Target:	VEGFB
Protein Characteristics:	AA 22-207
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This VEGFB protein is labelled with His tag.

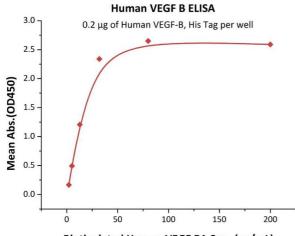
## Product Details

Sequence:	AA 22-207
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of
	20.2 kDa. The protein migrates as 15-18 kDa and 33-35 kDa on a SDS-PAGE gel under reducing (R) condition.
Purity:	>90 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Target Details	
Target:	VEGFB

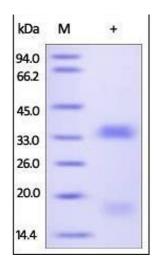
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Target Details	
Alternative Name:	VEGF-B (VEGFB Products)
Background:	Vascular endothelial growth factor B (VEGFB) is also known as VEGF-related factor (VRF), is a
	secreted O-glycosylated protein, which belongs to the PDGF/VEGF growth factor family. 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.
Molecular Weight:	20.3 kDa
NCBI Accession:	NP_003368
Pathways:	RTK Signaling, Signaling Events mediated by VEGFR1 and VEGFR2, VEGFR1 Specific Signals
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C-8 °C), After
	reconstitution under sterile conditions for 1 month (4 °C-8 °C) or 3 months (-20 °C to -70 °C).

#### Images



Biotinylated Human VEGF R1 Con. (ng/mL)



## **ELISA**

**Image 1.** Immobilized Human VEGF-B, His Tag (ABIN2181909,ABIN3071762) at 2  $\mu$ g/mL (100  $\mu$ L/well) can bind Biotinylated Human VEGF R1 with a linear range of 2-32 ng/mL (QC tested).

## SDS-PAGE

Image 2.

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