

Active Recombinant Human VEGFB protein, His-tagged

Cat. No. VEGFB-17H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human VEGFB protein(Pro 22 - Ala 207), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Pro 22 - Ala 207
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human VEGF-B, His Tag at 2 µg/mL (100 µL/well) can bind Biotinylated Human VEGF R1 with a linear range of 2-32 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 20.3 kDa. The protein migrates as 16 kDa and 34-40 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at:

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-20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	VEGFB vascular endothelial growth factor B [Homo sapiens]
Official Symbol	VEGFB
Synonyms	VEGFB; vascular endothelial growth factor B; VRF; VEGFL; VEGF-related factor;
Gene ID	7423
mRNA Refseq	NM_001243733
Protein Refseq	NP_001230662
MIM	601398
UniProt ID	P49765

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