

VEGF-BB Protein, Human (HEK293, Fc)

Cat. No.:	HY-P72431
Synonyms:	Vascular endothelial growth factor B; VEGF-B; VRF
Species:	Human
Source:	HEK293
Accession:	P49765 (P22-A207)
Gene ID:	7423
Molecular Weight:	40&60 kDa

PROPERTIES

AA Sequence	<p>P V S Q P D A P G H Q R K V V S W I D V Y T R A T C Q P R E V V V P L T V E L M</p> <p>G T V A K Q L V P S C V T V Q R C G G C C P D D G L E C V P T G Q H Q V R M Q I</p> <p>L M I R Y P S S Q L G E M S L E E H S Q C E C R P K K K D S A V K P D R A A T P</p> <p>H H R P Q P R S V P G W D S A P G A P S P A D I T H P T P A P G P S A H A A P S</p> <p>T T S A L T P G P A A A A A D A A A S S V A K G G A</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>VEGF-BB Protein serves as a growth factor specifically for endothelial cells. The isoform VEGF-B167 exhibits binding capabilities with heparin and neuropilin-1, while the binding of VEGF-B186 to neuropilin-1 is subject to regulation by proteolysis. Structurally, VEGF-BB exists as a homodimer connected by disulfide bonds and has the capacity to form a heterodimer with VEGF. This molecular configuration underscores its distinct role in regulating endothelial cell functions and highlights the intricacies involved in its binding interactions, contributing to the complexity of vascular processes.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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