

VEGF-B167 active protein

Human VEGF-B167

CATALOG # AAA79319	HOST E Coli	REACTIVITY Human
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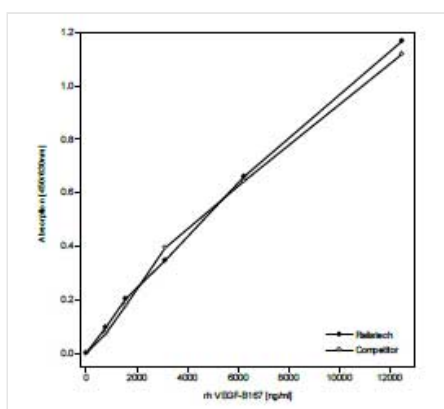
PRODUCT SYNONYMS

VEGF-B167; Human VEGF-B167; Vascular endothelial growth factor B; VEGFB; VRF; VEGFL; VEGF-B167 active protein

PRODUCT SPECIFICATIONS

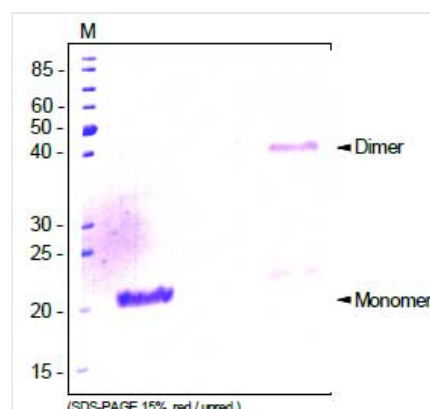
Host	E Coli
Reactivity	Human
Purity/Purification	> 98% by SDS-PAGE & Coomassie stain
Form/Format	Lyophilized
Sequence	ResultbyN- terminalse quencing-M PVSQ MP VSQPDAPGHQ RKVVSUIDVY TRATCQPREV VVPLTVELMG TVAKQLVPSC VTVQRCGGCC PDDGLECVPT GQHQVRMQIL MIRYPSSQLG EMSLEEHSQC ECRPKKKDSA VKPDSRPLC PRCTQHHQRP DPRTCRCRCR RRSFLRCQGR GLELNPDTCR CRKLRR
Sequence Length	188
Reconstitution	The lyophilized VEGF-B167 should be reconstituted in water to a concentration not lower than 50 ug/ml. For long term storage we recommend to add at least 0.1% human or bovine serum albumin.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized human sVEGFR-1/Fit-1 at 1 ug/mL (100 uL/well) can bind rhVEGF-B167 with a linear range of 0.5 ng/mL to 12.5 ng/mL.
Preparation and Storage	Lyophilized samples are stable for greater than six months at -20 degree C to -70 degree C. Reconstituted VEGF-B167 should be stored in working aliquots at -20 degree C.

IMAGES



Application Data

VEGF-B167 BioLISA using recombinant human soluble Fit-1 for capturing and recombinant human VEGF-B167 as standard. A mouse anti-human VEGF-B antibody in combination with a goat anti-mouse Biotin-conjugated antibody was used for detection.



SDS-PAGE

SDS-PAGE analysis of recombinant human VEGF-B167 produced in E. coli. Samples were loaded under reducing and non-reducing conditions in 15% SDS-polyacrylamide gel and stained with Coomassie Blue.

ADDITIONAL INFORMATION

Related Product Information for VEGF-B167 active protein	VEGF-B, a member of the VEGF family, is a potent growth and angiogenic cytokine. It promotes DNA synthesis in endothelial cells, helps regulate angiogenesis and vascular permeability, and inhibits apoptosis in certain smooth muscle cells and neurons. VEGF-B is expressed in all tissues except the liver. It forms cell surfaced-associated disulfide linked homodimers and can form heterodimers with VEGF-A. There are two known isoforms, formed by alternative splicing, which have been designated VEGF-B167 and VEGF-B186. Both forms have identical amino-terminal sequences encoding a ðcysteine knot• like structural motif, but differ in their carboxyl-terminal domains. Both VEGF-B isoforms signal only through the VEGFR1 receptor. Recombinant human VEGF-B is a 38.0 kDa disulfide-linked homodimeric protein consisting of two 167 amino acid polypeptide chains.
Product Categories/Family for VEGF-B167 active protein	Recombinant Protein; Cytokines & Growth Factors; VEGF-B167

NCBI AND UNIPROT INFORMATION

NCBI GI #	344179103
NCBI GeneID	7423
NCBI Accession #	NP_001230662.1
NCBI GenBank Nucleotide #	NM_001243733.1
UniProt Accession #	P49765; Q16528
Molecular Weight	21,261 Da
NCBI Official Full Name	vascular endothelial growth factor B isoform VEGFB-167
NCBI Official Synonym Full Names	vascular endothelial growth factor B
NCBI Official Symbol	VEGFB
NCBI Official Synonym Symbols	VRF; VEGFL
NCBI Protein Information	vascular endothelial growth factor B
UniProt Protein Name	Vascular endothelial growth factor B
UniProt Gene Name	VEGFB
UniProt Synonym Gene Names	VRF; VEGF-B; VRF
UniProt Entry Name	VEGFB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-human-active-protein/vegfb167/79319>