

ANTIGENIX AMERICA, INC.

PRODUCT INFORMATION SUMMARY

Human VEGF-B

(Vascular Endothelial cell Growth Factor)

Purified Factor	Product Number	HC411218B	20.0 ug
		HC411218A	5.0 ug

DESCRIPTION:

Human Vascular Endothelial cell Growth Factor B (VEGF-B), a factor that stimulates endothelial cell growth, capillary permeability, angiogenesis and inhibits apoptosis in some smooth muscle cells. VEGF-B is found in all tissue except the liver, and can form heterodimers with VEGF-A. Human VEGF-B has two known isoforms: VEGF-B186 and VEGF-B167- both with identical amino terminal sequences, but different carboxyl-terminal domains. VEGF-B signals via VEGFR1 receptor, and is a homodimeric protein of molecular weight of 38.0 kDa, with two 167 aa. chains.

SOURCE: E.coli, sterile filtered, lyophilized
Purity > 98% by HPLC analysis
Endotoxin < 0.1 ng per ug VEGF-B

BIOLOGICAL ACTIVITY: Stimulation of human umbilical vein endothelial cells (HUVEC) proliferation in presence of human VEGF (165)- with half maximal effect @ 2.0 ug/mL.

HANDLING AND STORAGE:

Purified Human VEGF-B is provided lyophilized, additive-free. Store lyophilized, at -20° C. **Spin-down**, can be reconstituted with **sterile or distilled water** to a concentration of 100 ug/mL, then dilute in PBS or other buffered solutions. Store small aliquots at -20° C, with addition of 0.1% BSA, for long-term storage- up to 3 months, at high concentration.

Microcentrifuge before reconstitution. Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend microcentrifuging for 30 seconds to spin-down all material.

RESEARCH USE ONLY -NOT for DRUG USE
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