

Animal-Free Recombinant Human VEGF 165
Catalog # PBG10495**Specification**

Animal-Free Recombinant Human VEGF 165 - Product Information**Animal-Free Recombinant Human VEGF 165 - Additional Information****Description**

VEGF is a potent growth and angiogenic cytokine. It stimulates proliferation and survival of endothelial cells, and promotes angiogenesis and vascular permeability. Expressed in vascularized tissues, VEGF plays a prominent role in normal and pathological angiogenesis. Substantial evidence implicates VEGF in the induction of tumor metastasis and intra-ocular neovascular syndromes. VEGF signals through the three receptors; *fms*-like tyrosine kinase (*flt-1*), KDR gene product (the murine homolog of KDR is the *flk-1* gene product) and the *flt4* gene product. Recombinant human VEGF₁₆₅ is a 38.2 kDa disulfide-linked homodimeric protein consisting of two 165 amino acid polypeptide chains.

Biological Activity

Determined by the dose-dependent stimulation of the proliferation of human umbilical vein endothelial cells (HUVEC) using a concentration range of 1.0-8.0 ng/ml.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Animal-Free Recombinant Human VEGF 165 is for research use only and not for use in diagnostic or therapeutic procedures.

Animal-Free Recombinant Human VEGF 165 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

Animal-Free Recombinant Human VEGF 165 - Images