

## 32-20249: Animal-Free Recombinant Murine VEGF165(Discontinued)

**Reactivity :** Mouse

**Alternative Name :** Vascular Endothelial Growth Factor165, Folliculostellate cell-derived growth factor, Glioma-derived endothelial cell mitogen, VEGF-A

### Description

**Source:E.coli**

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 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 Murine VEGF165 is a 39.0 kDa, disulfide-linked homodimeric protein consisting of two 165 amino acid polypeptide chains.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Amino Acid :** MAPTTEGEQK SHEVIKFMDV YQRSYCRPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCAGC  
CNDEALECVP TSESNITMQI MRIKPHQSQH IGEMSFLQHS RCECRPKKDR TKPEKHCEPC  
SERRKHLFVQ DPQTCKCSCK NTDSRCKARQ LELNERTCRC DKPRR

### Application Note

Determined by the dose-dependent stimulation of the proliferation of human umbilical vein endothelial cells (HUVEC) using a concentration range of 1.0-5.0 ng/ml.