

## 32-20250: Recombinant Rat VEGF165(Discontinued)

**Reactivity :** Human, Rat

**Alternative Name :** Vascular Endothelial Growth Factor, 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 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 Rat VEGF165 is a 38.5 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 AHEVVKFMDV YQRSYCRPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCAGC CNDEALECVP  
TSESNTMQI 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). The expected ED<sub>50</sub> is 4.0-8.0 ng/ml.