

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 ED₅₀ is 4.0-8.0 ng/ml.