

**VEGFA, 206-325aa Rat, His tag, E.coli**

**Cat.NO.: TP04473**

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3th Edition

**Synonyms:**Vascular endothelial growth factor A isoform 3, Vegf, VEGF-A, VEGF164, VPF

**Description:**Vascular endothelial growth factor A isoform 3, also known as VEGFA, belongs to the PDGF/VEGF growth factor family. It is a growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. VEGFA induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. It has been speculated that VEGF may function as a tumor angiogenesis factor in vivo because the expression pattern of VEGF is consistent with a role in embryonic angiogenesis. Recombinant Rat VEGFA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate buffer saline (pH 7.4) containing 50% glycerol

**Molecular Weight:**16.7 kDa (145aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMAPTTEGEQKAHEVVKFMDVYQRSYCRPIETLVDIFQEYYPDEIEYIFKPSC  
VPLMRCAGCCNDEALECVPTSESNVTM QIMRIKPHQSQHIGEMSFLQHSRCECRPKKDRTKPEKCDKPRR

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.