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VEGF165, 207-371aa, Human, His tag, E.coli

产品货号: TP04472

第三版

别名: Vascular endothelial growth factor A isoform d, VPF, VEGF, VEGF-A

描述: Vascular endothelial growth factor (VEGF) is homodimeric, heparin-binding glycoprotein involved in both angiogenesis and vasculogenesis. VEGF is expressed as multiple alternately spliced isoforms of VEGF121, 165, 189 and 206. VEGF binds to the receptor tyrosine kinases VEGF R1 (Flt-1) and VEGF R2 (KDR/Fik-1) to activate signal transduction and regulate both physiological and pathological angiogenesis. Recombinant human VEGF165 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

配方: Liquid. In 20mM Tris-HCl(pH8.5), 50%glycerol, 5mM DTT, 200mM NaCl, 2mM EDTA

分子量: 21.3kDa (185aa), conformed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHAPMAEGGGQNHHEVVKFMDVYQRSYCHPIETLVDIFQEYYPDEIEYIFKPSCVPLMRCGG
CCNDEGLECVPTTEESNITMQIMRIKPHQGGHIGEMSFLLQHNKCECRPKKDRARQENPCGPCSERRKHLFVQDPQTCKCS
CKNTDSRCKARQLELNERTCRCDKPRR

纯度: > 95% by HPLC

浓度: 0.5mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.