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VEGF165, 207-370aa, Human, E.coli

产品货号: TP04471

第三版

**别名:** Vascular endothelial growth factor A, VEGF, MVCD1, VPF

**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 was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

**配方:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 2mM EDTA, 0.1mM PMSF, 1mM DTT, 10% glycerol.

**分子量:** 19.3 kDa (166aa), confirmed by MALDI-TOF

**序列:**

MAPMAEGGGQNHHEVVKFM DVYQRSYCHPIETLVDIFQEYPDEIEYIFKPSCVPLMRCGGCCNDEGLECVPTESNITM  
QIMRIKPHQGQHIGEMSF LQHNKCECRPKKDRARQENPCGPCSERRKHLFVQDPQTCKCCKNTDSRCKARQLELNER  
TCRC DKPRR

**纯度:** > 95% by HPLC

**浓度:** 0.5 mg/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.