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VEGF121, 207-327aa, Human, Recombinant, E.coli

产品货号: TP04468

第三版

别名: Vascular endothelial growth factor A isoform f, VPF, VEGF, VEGF-A, Vascular endothelial growth factor A isoform f MVCD1, Vascular endothelial growth factor A, Vascular permeability factor, 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/Flk-1) to activate signal transduction and regulate both physiological and pathological angiogenesis. Recombinant VEGF121 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 in 20 mM Tris-HCl buffer (pH 8.0) containing 10 % glycerol

分子量: 14.2 kDa (122aa), confirmed by MALDI-TOF.

序列:

MAPMAEGGGQNHHEVVKFMDEVYQRSYCHPIETLVDIFQEYYPDEIEYIFKPSCVPLMRCGGCCNDEGLECVPTESNITM
QIMRIKPHQGQHIGEMSFLLQHNKCECRPKKDRARQEKCDKPRR

纯度: > 95% by HPLC

浓度: 1 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.