

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

Cat.NO.: TP04469

3th Edition

Synonyms:VPF, VEGF, VEGF-A, MGC70609, VEGF121, Vascular endothelial growth factor A isoform f, Vascular endothelial growth factor A isoform f MVCD1, Vascular endothelial growth factor A, Vascular permeability factor, VEGF A.

Description: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 VEGF121 protein was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid in 20mM Tris pH 8.0 containing 10% glycerol

Molecular Weight:16.3 kDa (142aa), confirmed by MALDI-TOF.

Sequences:

MGSSHHHHHHSSGLVPRGSHMAPMAEGGGQNHHEVVKFMDVYQRSYCHPIETLVDIFQEYYPDEIEYIFKPCVPL
MRCGGCCNDEGLECVPTTEESNITMQIMRIKPHQGQHIGEMSFLLQHNKCECRPKKDRARQEKCCKPRR

Purity:> 95% by HPLC

Concentration:0.5 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.