

VEGF, 205-324 aa, Mouse, His-tagged, Recombinant, E.coli

Cat.NO.: TP04466

3th Edition

Synonyms: Vegf-a, Vegf120, Vegf164, Vegf188, Vpf, Vascular endothelial growth factor A isoform 3

Description: VEGF-A, also known as vascular endothelial growth factor, belong to the VEGF family that mediate angiogenesis. This protein is produced by diverse cell types, including aortic vascular smooth muscle cells, keratinocytes, macrophages and many tumor cells. VEGF-A has important roles in mammalian vascular development and in diseases involving abnormal growth of blood vessels such as tumor-related angiogenesis. Recombinant VEGF-A protein was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

Molecular Weight: 16.3 kDa (141aa), confirmed by MALDI-TOF.

Sequences:

MGSSHHHHHSSGLVPRGSHMAPTTEGEQKSHEVIKFMDVYQRSYCRPIETLVDIFQEYPDEIEYIFKPSCVPLMR
CAGCCNDEALECVPTSESNITMQIMRIKPHQSQHIGEMSFLQHSRCECRPKKDRTKPEKCDKPRRtmp/IBATGP039
0

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.