
VEGF-B, 22-207 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP04467

3th Edition

Synonyms: VEGFL, VEGF-related factor (VRF), Vascular endothelial growth factor B VEGF related factor, VRF, VEGFb

Description: VEGF-B, also known as Vascular endothelial growth factor-B, is one of 5 mammalian VEGF family members, the others being VEGF-A, VEGF-C, VEGF-D, and placental growth factor (PlGF). VEGF-B binds to one of the VEGF receptor tyrosine kinases, namely VEGF receptor-1 (VEGFR1, Flt1), but not to VEGFR2 and VEGFR3. VEGF-B is homodimeric, heparin-binding glycoprotein involved in embryonic angiogenesis and vasculogenesis. Recombinant VEGF-B protein was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 10% glycerol

Molecular Weight: 21.6 kDa (207 aa), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVPSCVT
VQRCGGCCPDDGLECVPTGQHQRMQILMIRYPSSQLGEMSLEEHSQCECRPKKDSAVKPDRAATPHHRPQPR
SVPGWDSAPGAPSPADITHPTPAPGPSAHAAPSTTSALTPGPAAAAADAAASSVAKGGA

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 µg 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.