

## Recombinant human VEGF protein, C-His

Catalog Number: bs-10853P

Concentration: >0.5 mg/ml

AA Seq: 27-232/232

Predicted MW: 24

Detected MW: 25 kDa

Tags: C-His

Activity: Not tested

Endotoxin: Not analyzed

Purity: >90% as determined by SDS-PAGE

Purification: AC

Form: Liquid

Storage: 20mM Tris-HCl (pH6.0) with 150mM NaCl.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

**Background:** Vascular endothelial growth factor (VEGF), originally known as vascular permeability factor (VPF), is a signal protein produced by cells that stimulates the formation of blood vessels. To be specific, VEGF is a sub-family of growth factors, the platelet-derived growth factor family of cystine-knot growth factors. They are important signaling proteins involved in both vasculogenesis (the de novo formation of the embryonic circulatory system) and angiogenesis (the growth of blood vessels from pre-existing vasculature).

### VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.

### PRODUCT SPECIFIC PUBLICATIONS

**[IF=11.322]** Yonghong Fan. et al. Construction of tissue-engineered vascular grafts with high patency by

mimicking immune stealth and blocking TGF- $\beta$  mediated endothelial-to-mesenchymal transition. COMPOS PART B-ENG. 2023 Feb;251:110487 Other ; . 10.1016/j.compositesb.2022.110487

**[IF=5.3]** Luo Peng. et al. Microvolumetric determination of thrombomodulin based on competitive immunoreaction using a portable glucometer. MICROCHIM ACTA. 2024 Oct;191(10):1-10 ; . 39251503