

# Human VEGF (121 a.a.) Recombinant Protein



RPPB1070

---

## Product Information    Protein Information

**Product SKU:**

RPPB1070

**Accession:**

P15692

**Host:**

Escherichia Coli.

**Protein description:**

Vascular Endothelial Growth Factor-121 Human Recombinant produced in E.Coli is a double, non-glycosylated, polypeptide chain (aa 207-327) containing a total of 142 amino acids and having a molecular mass of 16.3 kDa. The VEGF-121 is fused to a 20 amino acid His tag at N-terminus and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

Vascular endothelial growth factor A, VEGF-A, Vascular permeability factor, VPF, VEGF, MGC70609.

**Formulation:**

VEGF-121 His Tag in 20mM Tris pH-8 and 10% glycerol.

**Purity:**

Greater than 90.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MGSSHHHHHH SSSLVPRGSH MAPMAEGGGQ NHHEVVKFMD VYQRSYCHPI ETLVDIFQEY PDEIEYIFKP  
SCVPLMRCGG CCNDEGLECV PTEESNITMQ IMRIKPHQGG HIGEMSFLQH NKCECRPKKD RARQEKCDKP RR.

**Biological Activity:**

The ED50 for this effect is <4.2 ng/ml. Measured in a cell proliferation assay using NIH-3T3 cell, corresponding to a specific activity of less than 238,095.23units/mg.