

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



RPPB1069

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## Product Information    Protein Information

**Product SKU:**

RPPB1069

**Accession:**

P15692

**Host:**

Sf9, Insect Cells.

**Protein description:**

Vascular Endothelial Growth Factor-121 Human Recombinant produced in insect cells as an 18kDa homodimer, is a glycosylated, polypeptide chain containing 121 amino acids and having a molecular mass of approximately 36kDa. VEGF121 circulates more freely than other VEGF forms, which bind more tightly with vascular heparin sulfates. The VEGF-121 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

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

**Formulation:**

The protein was lyophilized from a solution containing 50mM acetic acid.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Solubility:**

The lyophilized VEGF121 should be reconstituted in 50mM acetic acid to a concentration not lower than 50µg/ml.

**Stability:**

Lyophilized Vascular Endothelial Growth Factor 121 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution VEGF-121 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

APMAEGGGQNHHEVVKFMDVYQRSYCHPIETLVDIFQEYPDEIEYIFKPS  
CVPLMRCGGCCNDEGLECVPTESNITMQIMRIKPHQGQHIGEMSFLQHN KCECRPKKDRARQEKCDKPRR.

**Biological Activity:**

Measured in a cell proliferation assay using primary HUVECs. The ED50 for this effect is typically 2-10ng/ml.