

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



RPPB1071

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## Product Information   Protein Information

**Product SKU:**

RPPB1071

**Accession:**

P15692

**Host:**

HEK.

**Protein description:**

Recombinant Human VEGF 121 amino acids, produced in HEK cells is a glycosylated 37kDa homodimer and 50kDa homotrimer. The VEGF 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:**

VEGF was lyophilized from a 0.2µm filtered solution containing 1xPBS.

**Purity:**

Greater than 95% as observed by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized VEGF in sterile PBS containing 0.1% endotoxin-free recombinant HSA.

**Stability:**

Lyophilized VEGF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution VEGF 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.

**Biological Activity:**

The specific activity was determined by the dose-dependent stimulation of the proliferation of HUVEC cells (Human Umbilical Vein Endothelial Cells), the ED50 is 3ng/ml.