

# Rat VEGF (120a.a.) Recombinant Protein



RPPB1081

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## Product Information    Protein Information

**Product SKU:**

RPPB1081

**Accession:**

Q00731

**Host:**

Saccharomyces  
cerevisiae

**Protein description:**

Vascular Endothelial Growth Factor(120a.a.) Rat Recombinant produced in yeast is a disulfide-linked homodimer consisting of 2x121 amino acid polypeptide chains, having a molecular mass of approximately 18.5kDa each. 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:**

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

**Purity:**

Greater than 90.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Vascular Endothelial Growth Factor in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized VEGF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Vascular Endothelial Growth Factor should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MAPTTEGEQK AHEVVKFMDV YQRSYCRPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCAGC CNDEALECVP  
TSESNVTMQI MRIKPHQSQH IGEMSFLQHS RCECRPKKDR TKPEKCDKPR R.

**Biological Activity:**

The ED<sub>50</sub> was measured in a cell proliferation assay using HUVEC human umbilical vein endothelial cells and was found to be 2-10 ng/ml.