

# Mouse VEGF Recombinant Protein



RPPB1073

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## Product Information    Protein Information

**Product SKU:**

RPPB1073

**Accession:**

Q00731

**Host:**

Baculovirus Sf9 cells.

**Protein description:**

Vascular Endothelial Growth Factor Mouse Recombinant produced in Sf9 insect cells is a double, glycosylated, polypeptide chain containing 164 amino acids and having a molecular mass of 48 kDa. 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:**

The protein was lyophilized from a concentrated (1mg/ml) solution with no additives.

**Purity:**

Greater than 95.0% 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-Sf9 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 Vascular Endothelial Growth Factor Sf9 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution VEGF-Sf9 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 ED<sub>50</sub> range, determined by the dose-dependent proliferation of human umbilical vein endothelial cells (HUVEC) (measured by <sup>3</sup>H-thymidine uptake) is 1-2 ng/ml, corresponding to a specific activity of 1x10<sup>6</sup> Units/mg.