

RPPB1064

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## Product Information    Protein Information

**Product SKU:**

RPPB1064

**Accession:**

P15692

**Host:**

Chinese Hamster  
Ovarian Cell.

**Protein description:**

Vascular Endothelial Growth Factor Human Recombinant produced in CHO cells is a double, glycosylated, polypeptide chain containing 165 amino acids and migrates as 44 kDa in SDS-PAGE under non-reducing conditions. 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 Phosphate- Buffered Saline, pH 7.4.

**Purity:**

Greater than 97.0% as determined by SDS-PAGE.

**Solubility:**

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

**Stability:**

Lyophilized Vascular Endothelial Growth Factor Human although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution VEGF Human Recombinant 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 protein was tested in HUVEC cells, the ED50 for this effect was found to be 2-6ng/ml.