

# Orf Virus VEGF E (Orf Virus) Recombinant Protein



RPPB1088

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## Product Information    Protein Information

**Product SKU:**

RPPB1088

**Accession:**

Q2F842

**Host:**

Escherichia Coli.

**Protein description:**

A DNA sequence encoding the mature variant of oVEGF-E isolate D1701 (Dehio et al., 1999; GenBank accession No. AF106020) was expressed in E. coli as a 132 amino acid residue fusion protein with an N-terminal His-tag sequence and a thrombin cleavage site. Recombinant VEGF-E homodimer was dimerized in vitro and has a predicted mass of approximately 35 kDa.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Formulation:**

The protein was lyophilized from a concentrated (1mg/ml) solution containing PBS.

**Purity:**

Greater than 90.0% as determined by SDS-PAGE.

**Solubility:**

The lyophilized oVEGF-E Orf Virus should be reconstituted in water or medium to a concentration not lower than 50µg/ml. For long term storage we would recommend to add at least 0.1% human or bovine serum albumin.

**Stability:**

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

**Biological Activity:**

The biological activity was determined (1) by the ability to induce VEGFR-2/KDR receptor phosphorylation in PAE/KDR cells and (2) in a cell proliferation assay using primary HUVECs. The ED50 for this effect is typically 1-5ng/ml.