

# Rat VEGF C (152 a.a.) Recombinant Protein



RPPB1086

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## Product Information    Protein Information

**Product SKU:**

RPPB1086

**Accession:**

O35757

**Host:**

Sf9, Insect Cells.

**Protein description:**

Vascular Endothelial Growth Factor -C 152 Rat Recombinant contains 152 amino acids residues and was fused to a His-tag (6x His) at the C-terminal end. As a result of glycosylation VEGF-C migrates as an 18-24 kDa protein in SDS-PAGE under reducing conditions.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

VEGF-C152, Vascular endothelial growth factor C 152, VRP, Flt4 ligand, Flt4-L.

**Formulation:**

The protein was lyophilized from a concentrated (1mg/ml) solution with BSA.

**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 C 152 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-C152 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution VEGF-C 152 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

**Biological Activity:**

Measured by its ability to stimulate phosphorylation of the VEGFR-3/FLT-4 receptor in porcine aortic endothelial cells (PAE/FLT -4 cells). The ED<sub>50</sub> for this effect is typically 150-300 ng/ml, corresponding to a specific activity of 3.3-6.6KUnits/mg.