

Vascular Endothelial Growth Factor-C (152 a.a) Rat Recombinant

Item Number	rAP-2497
Synonyms	VEGF-C152, Vascular endothelial growth factor C 152, VRP, Flt4 ligand, Flt4-L.
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.
Uniprot Accession Number	O35757
Amino Acid Sequence	
Source	Sf9, Insect Cells.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The protein was lyophilized from a concentrated (1mg/ml) solution with BSA. Greater than 90.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Vascular Endothelial Growth Factor C 152 in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
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 ED50 for this effect is typically 150-300 ng/ml, corresponding to a specific activity of 3.3-6.6KUnits/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**