

Rat VEGF C Recombinant Protein



RPPB1085

Product Information Protein Information

Product SKU:

RPPB1085

Accession:

P16612

Host:

Sf9, Insect Cells.

Protein description:

Vascular Endothelial Growth Factor C Rat Recombinant contains 129 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-C, Vascular endothelial growth factor C, VRP, Flt4 ligand, Flt4-L.

Formulation:

Each mg of VEGF-C Rat contains 50mg BSA and PBS as buffer.

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 in sterile 18MΩ-cm H₂O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

Stability:

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

Amino Acid Sequence:

DTVKLAAAHYNTTEILKSIDNEWKRTQCMPREVCIDVGKEFGAATNTFFKP
PCVSVYRCGGCCNSEGLQCMNTSTGYLSKTLFEITVPLSQGPKPVTISFA
NHTSRCMSKLDVYRQVHSIIHHHHH.

Biological Activity:

Measured by its ability to stimulate phosphorylation of the VEGFR-3/FLT-4 receptor in porcine aortic endothelial cells. The ED50 for this effect is typically 200-300ng/ml corresponding to a Specific Activity of 3,334-5,000IU/mg.