GenScript
Make Research Easy

Rev03
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DATASHEET

VEGF-C, Human

Cat. No.: Z03286

Product Introduction

Species	Human
Protein Construction	Expressed with an N-terminal Met. **VEGF-C (Ala112-Arg227)** **Accession # P49767**
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	< 0.2 EU/µg of protein by gel clotting method
Biological Activity	Measured in a cell proliferation assay using HMVEC human microvascular endothelial cells. The ED_{50} for this effect is < 0.5 µg/ml.
Expression System	HEK 293
Apparent Molecular Weight	16~19 kDa, on SDS-PAGE under reducing conditions.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O or PBS up to 100 µg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Background

Target Background : Vascular endothelial growth factor C (VEGF-C) is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family, is active in angiogenesis, lymphangiogenesis and endothelial cell growth and survival, and can also affect the permeability of blood vessels. VEGF-C is expressed in various tissues, however it is not produced in peripheral blood lymphocytes. It forms cell surface-associated non-covalent disulfide linked homodimers, and can bind and activate both VEGFR-2 (flk1) and VEGFR-3 (flt4) receptors. The structure and function of VEGF-C is similar to those of vascular endothelial growth factor D (VEGF-D).

Synonyms : VEGFC; Flt4-L; LMPH1D; VRP, vascular endothelial growth factor C; LMPHM4

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