# VEGF-C Protein, Human (Biotinylated, HEK293, His-Avi)

| | |
|---|---|
| **Cat. No.:** | HY-P77865 |
| **Synonyms:** | VEGFC; VEGF-CC; VEGFc; Flt4-L; VRP; |
| **Species:** | Human |
| **Source:** | HEK293 |
| **Accession:** | Q6FH59 (T103-R227) |
| **Gene ID:** | 7424 |
| **Molecular Weight:** | Homodimer. Approximately 23-30 kDa on SDS-PAGE under reducing conditions |

## PROPERTIES

| | |
|---|---|
| **Biological Activity** | 1.Immobilized Biotinylated Human VEGF-C, His Tag at 0.5 μg/mL (100 μl/well) on the streptavidin precoated plate (5 μg/mL). Dose response curve for Human VEGF R3, hFc Tag with the $EC_{50}$ of ≤9 ng/mL determined by ELISA.<br>2.Immobilized Biotinylated Human VEGF-C, His Tag at 1 μg/mL (100 μl/well) on the streptavidin precoated plate (5 μg/mL). Dose response curve for Human VEGF R3, hFc Tag with the $EC_{50}$ of ≤9 ng/mL determined by ELISA. |
| **Appearance** | Lyophilized powder |
| **Formulation** | Lyophilized from 0.22 μm filtered solution in 50 mM MES, 150 mM NaCl (pH 6.0). Normally 8% trehalose is added as protectant before lyophilization. |
| **Endotoxin Level** | <1 EU/μg, determined by LAL method. |
| **Reconsititution** | Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in 50 mM MES, 150 mM NaCl (pH 6.0). |
| **Storage & Stability** | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| **Shipping** | Room temperature in continental US; may vary elsewhere. |

## DESCRIPTION

| | |
|---|---|
| **Background** | The VEGF-C Protein is a vital member of the PDGF/VEGF growth factor family, suggesting its involvement in essential cellular signaling pathways. As part of this growth factor family, VEGF-C likely shares structural and functional characteristics with related proteins, implicating its role in promoting cell growth, angiogenesis, and lymphangiogenesis. The membership in the PDGF/VEGF growth factor family highlights its significance in regulating vascular and lymphatic development. The study of VEGF-C contributes to our understanding of its specific functions within the context of the growth factor family, offering insights into potential therapeutic applications and its broader impact on cellular processes involved in tissue development and maintenance. Further exploration of VEGF-C's role can deepen our comprehension of its contribution to physiological and pathological conditions. |

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA