

Overview

Synonyms	Flt4 ligand, VRP
Description	<p>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).</p> <p>Recombinant human VEGF-C produced in HEK293 cells is a polypeptide chain containing 126 amino acids. A fully biologically active molecule, rhVEGF-C has a molecular mass of 16-19 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.</p>
Accession No	P14844
Species	Human
Source	HEK 293
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.
Sequence	<p>MAHYNTEILK SIDNEWKTKQ CMPREVCIDV GKEFGVATNT FFKPPCVSVY RCGGCCNSEG LQCMNTSTSY LSKTLFEITV PLSQGPKPVT ISFANHTSCR CMSKLDVYRQ VHSIIRR</p>

Properties

Measured Molecular Weight	16~19 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxin Level	< 0.2 EU/µg, determined by LAL method.
Storage	Lyophilized recombinant Human Vascular Endothelial Growth Factor C remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Vascular Endothelial Growth Factor C should be stable up to 1 week at 4°C or up to 3 months at -20°C.
Note	For research use only

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