

TECHNICAL DATA SHEET

## Recombinant Human VEGF-C (Carrier-Free)

Catalog Number: 21-9236

**RPx-Pro™ Recombinant Protein**  
PRODUCT INFORMATION

**CONTENTS**

Recombinant Human VEGF-C (Carrier-Free)

**DESCRIPTION**

VEGF-C, a member of the VEGF/PDGF family of structurally related proteins, is a potent angiogenic cytokine. It promotes endothelial cell growth, promotes lymphangiogenesis, and can also affect vascular permeability. VEGF-C is expressed in various tissues, but is not produced in peripheral blood lymphocytes.

**MOLECULAR MASS**

30.0-33.0 kDa

**AMINO ACID SEQUENCE**

AHYNTEILKS IDNEWRTQC MPREVCIDVG KEFGVATNTF FKPPCVSVYR CGGCCNSEGL QCMNTSTSYL SKTLFEITVP LSQGPKPVTI SFANHTSCRC  
MSKLDVYRQV HSIIRR

**SOURCE**

HEK293 cells

**APPLICATIONS**

Bioassay

**PURITY**

≥95 %

**STORAGE**

-20°C

**PROTEIN CONTENT**

Content Verified by HPLC and/or SDS-PAGE gel.

**ENDOTOXIN LEVEL**

Endotoxin level is <0.1 ng/μg of protein (<1EU/μg).

**AUTHENTICITY**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**CROSS REACTIVITY**

Human, Mouse

**BIOACTIVITY**

Determined by its ability to stimulate the proliferation of human microvascular endothelial cells (HMVEC) in low serum conditions.

**RESEARCH AREAS**

Inflammation, Angiogenesis/Cardiovascular, Proliferation, Cancer

**RECONSTITUTION**

See Certificate of Analysis (COA) for lot specific reconstitution information.

**REFERENCES**

Benedito, R. Notch-dependent VEGFR3 upregulation allows angiogenesis without VEGF-VEGFR2 signalling. 2012. Nature; 484(7392):110-4. Argaw, A.T. Astrocyte-derived VEGF-A drives blood-brain barrier disruption in CNS inflammatory disease. 2012. The Journal of Clinical Investigation; 122(7):2454-68. Cao, R. Collaborative interplay between FGF-2 and VEGF-C promotes lymphangiogenesis and metastasis. 2012. Proceedings of the National Academy of Sciences of the USA; 109(39):15894-9.

Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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