

TECHNICAL DATA SHEET

Recombinant Human VEGF-D (Carrier-Free)

Catalog Number: 21-9024

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Human VEGF-D (Carrier-Free)

DESCRIPTION

VEGF-D, 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.

MOLECULAR MASS

Recombinant Human VEGF-D is a 26.2 kDa, non-disulfide linked, homodimeric protein consisting of two 117 amino acid polypeptide chains. Due to glycosylation, the protein migrates as a 20.0-22.0 kDa band by SDS-PAGE analysis under non-reducing conditions.

AMINO ACID SEQUENCE

FAATFYDIET LKVIDEEWQR TQCSPRETCV EVASELGKST NTFKPPCVN VFRCGGCCNE ESLICMNTST SYISKQLFEI SVPLTSVPEL VPVKVANHTG CKCLPTAPRH PYSIIRR

SOURCE

HEK293 cells

APPLICATIONS

Bioassay

PURITY

95 %

STORAGE

-20°C

PROTEIN CONTENT

Content Verified by UV Spectroscopy 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

BIOACTIVITY

Measured by its ability to bind immobilized recombinant human neuropilin-1 in an ELISA.

RESEARCH AREAS

Inflammation, Angiogenesis/Cardiovascular, Proliferation, Cancer

RECONSTITUTION

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

REFERENCES

Nijmeh J, El-Chemaly S, Henske EP. Expert Rev Respir Med. 2017 Dec 1:1-8. doi: 10.1080/17476348.2018.1409622. Daccord C, Nicod LP, Lazor R. Respiration. 2017 Nov 23;94(6):467-485. doi: 10.1159/000485106.

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