

VEGFD (VEGF4) Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP6292B**Specification**

VEGFD (VEGF4) Blocking Peptide (C-term) - Product InformationPrimary Accession [O43915](#)**VEGFD (VEGF4) Blocking Peptide (C-term) - Additional Information****Gene ID** 2277**Other Names**

Vascular endothelial growth factor D, VEGF-D, c-Fos-induced growth factor, FIGF, FIGF, VEGFD

Target/Specificity

The synthetic peptide sequence is selected from aa 337-352 of HUMAN FIGF

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

VEGFD (VEGF4) Blocking Peptide (C-term) - Protein Information**Name** VEGFD ([HGNC:3708](#))**Synonyms** FIGF**Function**

Growth factor active in angiogenesis, lymphangiogenesis and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in the formation of the venous and lymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates VEGFR-2 (KDR/FLK1) and VEGFR-3 (FLT4) receptors.

Cellular Location

Secreted.

Tissue Location

Highly expressed in lung, heart, small intestine and fetal lung, and at lower levels in skeletal muscle, colon, and pancreas

VEGFD (VEGF4) Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

VEGFD (VEGF4) Blocking Peptide (C-term) - Images**VEGFD (VEGF4) Blocking Peptide (C-term) - Background**

The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family and is active in angiogenesis, lymphangiogenesis, and endothelial cell growth. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-2 and VEGFR-3 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor C.

VEGFD (VEGF4) Blocking Peptide (C-term) - References

Orlandini, M., et al., J. Biol. Chem. 278(45):44650-44656 (2003).
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Rissanen, T.T., et al., Circ. Res. 92(10):1098-1106 (2003).
Nakamura, Y., et al., Clin. Cancer Res. 9(2):716-721 (2003).
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