

# VEGF-D

Catalog # PVGS1366

## Product Information

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<b>Primary Accession Species</b>	<a href="#">O43915</a> Human
<b>Sequence</b>	Phe89-Arg205
<b>Purity</b>	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
<b>Endotoxin Level</b>	
<b>Biological Activity</b>	ED <sub>50</sub>
<b>Expression System</b>	CHO
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH <sub>2</sub> O or PBS up to 100 µg/ml.
<b>Storage &amp; Stability</b>	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

## Additional Information

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<b>Gene ID</b>	2277
<b>Other Names</b>	Vascular endothelial growth factor D {ECO:0000312   HGNC:HGNC:3708}, VEGF-D, c-Fos-induced growth factor, FIGF, VEGFD ( <a href="#">HGNC:3708</a> ), FIGF
<b>Target Background</b>	Vascular Endothelial Growth Factor (VEGF)-D, also known as c-Fos-induced growth factor (FIGF), is a member of the PDGF/VEGF growth factor family. It is expressed highly in lung, heart and small intestine, and at lower levels in skeletal muscle, colon and pancreas. It binds to VEGFR-2 and VEGFR-3 receptors and activates downstream signals. VEGF-D is a growth factor active in angiogenesis, lymphangiogenesis and endothelial cell growth. It is involved in many developmental and physiological processes including the formation of venous and lymphatic vascular systems during embryogenesis and the maintenance of differentiated lymphatic endothelium in adults. In tumor pathology, it has been reported to play a role in restructuring of lymphatic channels and regional lymph node metastasis.

## Protein Information

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<b>Name</b>	VEGFD ( <a href="#">HGNC:3708</a> )
<b>Synonyms</b>	FIGF
<b>Function</b>	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.
<b>Cellular Location</b>	Secreted.
<b>Tissue Location</b>	Highly expressed in lung, heart, small intestine and fetal lung, and at lower levels in skeletal muscle, colon, and pancreas

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.