

# PRODUCT DATA SHEET



Bioworld Technology, Inc.

## Recombinant VEGF-D, Human

Catalog Number: BK0294-1mg

Source: CHO

Quantity: 1mg

### Description:

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.

### Molecular Weight:

18-19 kDa, observed by reducing SDS-PAGE.

### Purity:

> 95% as analyzed by SDS-PAGE and HPLC.

### Biological Activity:

ED50 < 1 µg /ml, measured in a cell proliferation assay using HUVEC cells.

### Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) pow-

der.

### Formulation:

Lyophilized after extensive dialysis against PBS.

### AA Sequence:

FAATFYDIETLKVIDEEWQRTQCSPRETCVEVAS-  
FYDIETLKVIDEEWQRTQCSPRETCVEVAS-  
ELGKSTNTFFKPPCVNVFRCGGCCNEESLIC-  
MNTSTSYISKQLFEISVPLTSVPEL-  
VPVKVANHTGCKCLPTAPRHPYSIIRR

### Endotoxin:

< 0.2 EU/µg, determined by LAL method.

### Reconstitution:

Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/ml.

### Storage:

Lyophilized recombinant Human VEGF-D remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Human VEGF-D should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

### Usage:

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