



## Vascular Endothelial Growth Factor D, His Tag, HEK, human recombinant (rHuVEGF-D-His -HEK)

**Catalog No:** 97582  
**Lot No:** XXXXX  
**Source:** HEK293  
**Synonyms:** c-fos induced growth factor (vascular endothelial growth factor D), FIGF, VEGFD

### Background

VEGF-D belongs to the VEGF/PDGF family of proteins. VEGF-D promotes lymphangiogenesis, endothelial cell growth, and regulates vascular permeability. In addition, VEGF-D has an important part in the creation of the venous and lymphatic vascular systems and in the growth and maintenance of differentiated lymphatic endothelium. Mature VEGF-D forms a noncovalently linked homodimer, and binds to and activate both VEGFR-2 (flk1) and VEGFR-3 (flt4).

### Description

VEGFD human recombinant produced in HEK-293 cells is a secreted protein (amino acids Phe93-Ser201) fused to a polyhistidine tag at the C-terminus.

### Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

### Formulation

Recombinant VEGF-D was lyophilized after extensive dialysis against PBS.

### Solubility

It is recommended to reconstitute the VEGF D in sterile 18 MΩ-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

### Stability

Lyophilized VEGF-D, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution VEGF-D should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Purity

Greater than 95.0% as determined by SDS-PAGE.

### Activity

The ED50 of 3-4 ng/ml is measured by its ability to stimulate the proliferation of human microvascular endothelial cells (HMVECs).

### Usage

**This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.**

**CONTACT US TODAY**

BIOMOL GmbH • Kieler Straße 303a • 22525 Hamburg • Germany • info@biomol.de • www.biomol.de

Fon: +49 (0)40-853 260 0 • TOLL FREE IN GERMANY: Fon: 0800-246 66 51