

VEGF D Human

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.

Catalog #: CYP5-052

Synonyms: c-fos induced growth factor (vascular endothelial growth factor D), FIGF, VEGFD.

For research use only.

Source: HEK293.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The recombinant VEGF-D was lyophilized after extensive dialysis against PBS.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the Vascular Endothelial Growth Factor D in sterile 18M-cm H₂O not less than 100

Introduction:

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 activates both VEGFR-2 (flk1) and VEGFR-3 (flt4).

Biological Activity:

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

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