

## Vascular Endothelial Growth Factor D Human Recombinant

<b>Item Number</b>	rAP-2488
<b>Synonyms</b>	c-fos induced growth factor (vascular endothelial growth factor D), FIGF, VEGFD.
<b>Description</b>	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.
<b>Uniprot Accession Number</b>	O43915
<b>Amino Acid Sequence</b>	
<b>Source</b>	HEK293.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
<b>Formulation and Purity</b>	The recombinant VEGF-D was lyophilized after extensive dialysis against PBS. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the Vascular Endothelial Growth Factor D in sterile 18M-cm H <sub>2</sub> O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The ED <sub>50</sub> of 3-4ng/ml is measured by its ability to stimulate the proliferation of human microvascular endothelial cells (HMVECs).
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**