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VEGF D Human

Vascular Endothelial Growth Factor D Human Recombinant
GRF0406

Product Overview

Name	VEGF D Human
Description	
Vascular Endothelial Growth Factor D Human Recombinant	
Accession (Primary)	O43915
Synonyms	
c-fos induced growth factor (vascular endothelial growth factor D), FIGF, VEGFD.	
Introduction	
VEGF-D belongs to the VEGF/PDGF family of proteins. VEGF-D promotes lymphangiogesis, 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).	
Source	
HEK293.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Biological Activity	
The ED50 of 3-4ng/ml is measured by its ability to stimulate the proliferation of human microvascular endothelial cells (HMVECs).	
Solubility	
It is recommended to reconstitute the Vascular Endothelial Growth Factor D in sterile 18M-cm H 2 O not less than 100	

µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

VEGF D Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O43915)