VEGF-D Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	VEGF-D, Recombinant Protein
Full Product Name	Human VEGF-D Recombinant Protein Lyophilized
Product Gene Name	VEGF-D recombinant protein
Product Synonym Gene Name	FIGF
Host	HEK293 cells
Form/Format	Lyophilized
Purity/Purification	Greater than 95% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per and ug (1EU/andug).
Preparation and Storage	The lyophilized VEGF-D recombinant protein is stable for at least 2 years from date of receipt at -20 degree C. Reconstituted VEGF-D is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 degree C. As with any protein, exposing VEGF-D recombinant protein to repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Species	Human
Related Product Information for VEGF-D recombinant protein	Human VEGF-D Recombinant Protein Lyophilized has been recombinantly produced in HEK293 cells. VEGF-D, a member of the VEGF/PDGF family of structurally related proteins, is a potent angiogenic cytokine. It promotes endothelial cell growth, promotes lymphangiogesis, and can also affect vascular permeability. VEGF-D is highly expressed in the lung, heart, small intestine and fetal lung, and at lower levels in the skeletal muscle, colon, and pancreas. It forms cell surfaced-associated non-covalent disulfide linked homodimers, and can bind and activate both VEGFR-2 (flk1) and VEGFR-3 (flt4) receptors. During embryogenesis, VEGF-D may play a role in the formation of the venous and lymphatic vascular systems. It also participates in the growth and maintenance of differentiated lymphatic endothelium in adults. Both VEGF-C and VEGF-D are over-expressed in certain cancers, and the resulting elevated levels of VEGF-C or VEGF-D tend to correlate with increased lymphatic metastasis. Recombinant human VEGF-D is a 13.1 kDa non-disulfide linked homodimeric protein consisting of two 117 amino acid polypeptide chains. Due to glycosylation the protein migrates as a 20.0-22.0 kDa band under non-reducing condition.
Other Notes	Small volumes of VEGF-D recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for VEGF-D purchase	MBS8433741 is a recombinant protein targeting VEGF-D. Also known as Human VEGF-D Recombinant Protein Lyophilized. Host: HEK293 cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VEGF-D. It may not necessarily be applicable to this product.

Protein Family	Vascular endothelial growth factor
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