

VEGFD

Recombinant Human VEGF-D (His Tag)

Catalog No.	CRH509A-His CRH509B-His	Quantity:	10 µg 20 µg
Alternate Names:	Vascular endothelial growth factor D, VEGF-D, c-Fos-induced growth factor, FIGF		
Description:	Vascular endothelial growth factor D (VEGF-D) belongs to the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family. VEGF-D protein is active in angiogenesis, lymphangiogenesis, and endothelial cell growth. VEGF-D protein is secreted as a non-covalent homodimer in an antiparallel fashion. Human VEGF-D protein is expressed in adult lung, heart, muscle, and small intestine, and is most abundantly expressed in fetal lungs and skin. VEGF-D protein is structurally and functionally similar to VEGF-C. Therefore, VEGF-D protein binds and activates VEGFR-2 (Flk1) and VEGFR-3 (Flt4) receptors, and may particularly be involved in breast and epithelial ovarian carcinomas.		
UniProt ID:	O43915		
Accession Number:	NP_004460.1		
Protein Construction:	A DNA sequence encoding the human VEGFD (Phe93-Ser201) was expressed with a polyhistidine tag at the C-terminus.		
Source:	Baculovirus-Insect Cells		
Formulation:	Lyophilized from sterile pH 8.0, 20 mM Tris, 150 mM NaCl, 10 % glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
Molecular Weight:	The recombinant human VEGFD consists of 120 amino acids and predicts a molecular mass of 13.6 kDa.		
Purity:	> 95 % as determined by SDS-PAGE.		
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method		
Biological Activity:	Testing in progress		
Predicted N-terminal:	Phe 93		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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