Bioactive HuPro®

VEGFD (Human) Recombinant Protein

Catalog # P9326 Size 2 x 10 ug

Specification

Product Description	Human VEGFD partial recombinant protein with His tag in C-terminus expressed in?HEK293 cells.
Host	Human
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by SDS-PAGE.
Activity	ED_{50} is 3-4 ng/mL, measured by the ability to stimulate the proliferation of HUVEC cells.
Storage Buffer	Protein was lyophilized after extensive dialysis against PBS. Reconstitute the lyophilized powder in d dH_2O to 100 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

Gene Info — FIGF

Entrez GeneID	2277
Protein Accession#	O43915
Gene Name	FIGF

Gene Alias	VEGF-D, VEGFD
Gene Description	c-fos induced growth factor (vascular endothelial growth factor D)
Omim ID	300091
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family and is active in angiogenesis, lymphangiogenesis, and endothelial cell growth. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-2 and VEGFR-3 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor C. [provided by RefSeq
Other Designations	OTTHUMP00000022960|vascular endothelial growth factor D

Pathway

- Bladder cancer
- Cytokine-cytokine receptor interaction
- Focal adhesion
- mTOR signaling pathway
- Pancreatic cancer
- Pathways in cancer
- Renal cell carcinoma

Disease

- Chorioamnionitis
- Fetal Membranes
- Genetic Predisposition to Disease
- Lymphedema
- Obstetric Labor
- Pre-Eclampsia

- Premature Birth
- Thyroid Neoplasms