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Datasheet for ABIN7519716 VEGFD Protein (His tag)

Overview

Quantity:	20 µg
Target:	VEGFD (Figf)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This VEGFD protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human VEGF-D/FIGF Protein
Sequence:	FYDIETLKVI DEEWQRTQCS PRETCVEVAS ELGKSTNTFF KPPCVNVFRC GGCCNEESLI CMNTSTSYIS KQLFEISVPL TSVPELVPVK VANHTGCKCL PTAPRHPYS
Specificity:	Phe93-Ser201
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human FIGF/VEGF-D at 1 µg/mL (100 µL/well) can bind Human VEGFR3 with a linear range of 1.953-100.773 ng/mL.

Target Details

Target:	VEGFD (Figf)
Alternative Name:	VEGF-D/FIGF (Figf Products)
Background:	<p>Description: Vascular endothelial growth factor D (VEGF-D), also known as C-fos induced growth factor (FIGF), belongs to the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family. FIGF protein is active in angiogenesis, lymphangiogenesis, and endothelial cell growth. FIGF protein is secreted as a non-covalent homodimer in an antiparallel fashion. Human FIGF protein is expressed in adult lung, heart, muscle, and small intestine, and is most abundantly expressed in fetal lungs and skin. FIGF protein is structurally and functionally similar to VEGF-C. Therefore, FIGF protein binds and activates VEGFR-2 (Flk1) and VEGFR-3 (Flt4) receptors, and may particularly be involved in cancers, such as breast cancer, epithelial ovarian carcinoma and so on.</p> <p>Name: VEGFD, FIGF, VEGF-D, vascular endothelial growth factor D, FIGF, VEGF-D</p>
Gene ID:	2277
UniProt:	O43915
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C, -80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.