Datasheet for ABIN2018439

VEGFD Protein (AA 89-205)

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Overview

Quantity:	50 µg
Target:	VEGFD (Figf)
Protein Characteristics:	AA 89-205
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 1 µg /mL, measured in a cell proliferation assay using HUVEC cells.
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	VEGFD (Figf)
Abstract:	Figf Products
Background:	Vascular Endothelial Growth Factor (VEGF)-D, also known as c-Fos-induced growth factor (FIGF), is a member of the PDGF/VEGF growth factor family. It is expressed highly in lung, heart and small intestine, and at lower levels in skeletal muscle, colon and pancreas. It binds to VEGFR-2 and VEGFR-3 receptors and activates downstream signals. VEGF-D is a growth factor active in angiogenesis, lymphangiogenesis and endothelial cell growth. It is involved in many

Target Details

	developmental and physiological processes including the formation of venous and lymphatic vascular systems during embryogenesis and the maintenance of differentiated lymphatic endothelium in adults. In tumor pathology, it has been reported to play a role in restructuring of lymphatic channels and regional lymph node metastasis. Synonyms: Vascular Endothelial Growth Factor-D, FIGF
Molecular Weight:	18-19 kDa, observed by reducing SDS-PAGE.
UniProt:	O43915
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant Human VEGF-D remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Human VEGF-D should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.
Expiry Date:	6 months