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Datasheet for ABIN2115424

**VEGFD Protein (AA 93-201) (His tag)**

## Overview

Quantity:	50 µg
Target:	VEGFD (Figf)
Protein Characteristics:	AA 93-201
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VEGFD protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human VEGF-D/FIGF (C-6His)
Sequence:	FYDIETLKVI DEEWQRTQCS PRETCVEVAS ELGKSTNTFF KPPCVNVFRC GGCCNEESLI CMNTSTSYIS KQLFEISVPL TSVPELVPVK VANHTGCKCL PTAPRHPYSH HHHHH
Characteristics:	Recombinant Human Vascular Endothelial Growth Factor D/VEGFD produced by our mammalian expression system in human cells is expressed with sequence (Phe93-Ser201) of Human VEGFD.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	VEGFD (Figf)
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## Target Details

Alternative Name:	VEGFD-FIGF ( <a href="#">Figf Products</a> )
Background:	<p>Vascular endothelial growth factor D (VEGF-D), also known as c-fos-induced growth factor (FIGF), is a secreted glycoprotein of the VEGF/PDGF family. VEGFs regulate angiogenesis and lymphangiogenesis during development and tumor growth, and are characterized by eight conserved cysteine residues that form a cystine knot structure. Mouse and human VEGF-D are ligands for VEGF Receptor 3 (VEGF R3, also called Flt4) that are active across species and show enhanced affinity when processed. Processed human VEGF-D is also a ligand for VEGF R2, also called Flk1 or KDR. VEGF R3 is strongly expressed in lymphatic endothelial cells and is essential for regulation of the growth and differentiation of lymphatic endothelium. While VEGF-C is the critical ligand for VEGF R3 during embryonic lymphatic development, VEGF-D is most active in neonatal lymphatic maturation and bone growth. Both promote tumor lymphangiogenesis. Consonant with their activity on VEGF receptors, binding of VEGF-C and VEGF-D.</p> <p>Synonyms: Vascular Endothelial Growth Factor D, VEGF-D, c-Fos-Induced Growth Factor, FIGF, VEGFD</p>

Molecular Weight:	12.18 kDa
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UniProt:	<a href="#">O43915</a>
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Pathways:	<a href="#">RTK Signaling</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p>

Aliquots of reconstituted samples are stable at < -20°C for 3 months.