Datasheet for ABIN7597438

VEGFD Protein (AA 93-201) (Fc Tag)

Go to Product page

Overview

Quantity:	10 µg
Target:	VEGFD (Figf)
Protein Characteristics:	AA 93-201
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VEGFD protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human VEGFD Protein with C-terminal human Fc tag
Sequence:	VEGFD(Phe93-Ser201) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	VEGFD (Figf)
Alternative Name:	VEGFD (Figf Products)
Background:	FIGF, VEGF-D 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

Target Details

	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. Read-through transcription has been observed between this locus and the upstream PIR (GeneID 8544) locus. [provided by RefSeq, Feb 2011]
Molecular Weight:	predicted molecular mass of 38.3 kDa after removal of the signal peptide. The apparent molecular mass of VEGFD-hFc is 35-55 kDa due to glycosylation.
UniProt:	O43915
Pathways:	RTK Signaling

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: • Immunogens for antibody drug development • Reagents used for CAR-T positive cell monitoring • Reagents for antibody screening and functional testing • Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months