Datasheet for ABIN7319412

VEGFB Protein (Fc Tag)

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Overview

Quantity:	50 µg
Target:	VEGFB
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VEGFB protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human VEGF-B/VEGFB Protein (Fc Tag)
Sequence:	Pro22-Ala207
Characteristics:	Recombinant Human VEGFB is produced by our Mammalian expression system and the target gene encoding Pro22-Ala207 is expressed with a Fc tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	VEGFB
Alternative Name:	VEGF-B/VEGFB (VEGFB Products)
Background:	Background: VEGFB, as known as VRF, is a member of the VEGF family of growth factors that share structural and functional similarity. By alternative splicing, two isoforms of mature VEGF-B containing 167 or 186 amino acid (aa) residues exist. VEGF-B is expressed in most tissues,

Target Details

	especially in heart, skeletal muscle and pancreas. The two VEGF-B isoforms have identical amino-terminal cysteine-knot VEGF homology domains but the carboxyl end of VEGF-B167 differs from that of VEGF-B186 by the presence of a highly basic cysteine-rich heparin binding domain. VEGF-B167 and a proteolytically processed form of VEGF-B186 also bind neuropilin-1, a type I transmembrane receptor for semaphorins/collapsins, ligands involved in neuron guidance. Synonym: Vascular endothelial growth factor B,VEGF-B,VEGF-related factor,VRF
Molecular Weight:	45.7 kDa
UniProt:	P49765
Pathways:	RTK Signaling, Signaling Events mediated by VEGFR1 and VEGFR2, VEGFR1 Specific Signals

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.