Datasheet for ABIN1097619

PLXDC1 Protein (AA 19-426) (His tag)

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Overview

Quantity:	50 µg
Target:	PLXDC1
Protein Characteristics:	AA 19-426
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLXDC1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Plexin Domain-Containing Protein 1/PLXDC1 (C-6His)
Sequence:	LSPQPGAGHD EGPGSGWAAK GTVRGWNRRA RESPGHVSEP DRTQLSQDLG GGTLAMDTLP DNRTRVVEDN HSYYVSRLYG PSEPHSRELW VDVAEANRSQ VKIHTILSNT HRQASRVVLS FDFPFYGHPL RQITMATGGF IFMGDVIHRM LTATQYVAPL MANFNPGYSD NSTVVYFDNG TVFVVQWDHV YLQGWEDKGS FTFQAALHHD GRIVFAYKEI PMSVPEISSS QHPVKTGLSD AFMILNPSPD VPESRRRSIF EYHRIELDPS KVTSMSAVEF TPLPTCLQHR SCDACMSSDL TFNCSWCHVL QRCSSGFDRY RQEWMDYGCA QEAEGRMCED FQDEDHDSAS PDTSFSPYDG DLTTTSSSLF IDSLTTEDDT KLNPYAGGDG LQNNLSPKTK GTPVHLGTVD HHHHHH
Characteristics:	Recombinant Human Plexin Domain-Containing Protein 1/PLXDC1 produced by transfected human cells is a secreted protein with sequence (Leu19 Thr426) of human PLXDC1/TEM7 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PLXDC1
Alternative Name:	tem7 (PLXDC1 Products)
Sub Type:	Fusionprotein
Background:	Plexin Domain-Containing Protein 1 (PLXDC1) is a single-pass type I membrane protein that belongs to the plexin family. Secreted PLXDC1 is localized predominantly at the tight junctions of vascular endothelial cells and to a lesser extent at the luminal surface of vascular endothelial cells. PLXDC1 is expressed in fibrovascular membrane with increased expression in individuals with proliferative diabetic retinopathy. It can detect in endothelial cells from colorectal cancer, and in endothelial cells from primary cancers of the lung, liver, pancreas, breast and brain. PLXDC1 interacts with NID1 and may also interact with CTTN. It plays a important role in endothelial cell capillary morphogenesis, the proliferation and maintenance of neovascular endothelial cells in the formation of fibrovascular membranes (FVMs). Alternative Names: Plexin Domain-Containing Protein 1, Tumor Endothelial Marker 3, Tumor Endothelial Marker 7, PLXDC1, TEM3, TEM7
Molecular Weight:	46.53 kDa
UniProt:	Q8IUK5

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 5 % Threhalose, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Handling

Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months