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Datasheet for ABIN1095725
PODXL Protein (AA 32-458, partial) (His tag)

1 Image

Overview

Quantity:	100 µg
Target:	PODXL
Protein Characteristics:	AA 32-458, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PODXL protein is labelled with His tag.
Application:	SDS-PAGE (SDS), ELISA

Product Details

Sequence:	<p>Q NATQT T TDS SNKTAPT PAS SVTIMATDTA QQSTVPTSKA NEILASVKAT TLGVSSDSPG TTTLAQQVSG PVNTTVARGG GSGNPTTIE SPKSTKSADT TTVATSTATA KPNTTSSQNG AEDTTN SGGK SSVSVTTDLT STKAEHLTP HPTSPLSPRQ PTSTHPVATP TSSGHDHLMK ISSSSSTVAI PGYTFTSPGM TTTLLETVFH HVSQAGLELL TSGDLPTLAS QSAGITASSV ISQRTQQTSS QMPASSTAPS SQETVQPTSP ATALRTPTLP ETMSSSPTAA STTHRYPKTP SPTVAHESNW AKCEDLETQT QSEKQLVLNL TGNTLCAGGA SDEKLISLIC RAVKATFNPA QDKCGIRLAS VPGSQTVVVK EITIHTKLPA KDVYERLKDK WDELKEAGVS DMKLG DQGPP EEAEDRF</p>
Characteristics:	<p>Involved in the regulation of both adhesion and cell morphology and cancer progression. Function as an anti-adhesive molecule that maintains an open filtration pathway between neighboring foot processes in the podocyte by charge repulsion. Acts as a pro-adhesive molecule, enhancing the adherence of cells to immobilized ligands, increasing the rate of</p>

Product Details

migration and cell-cell contacts in an integrin-dependent manner. Induces the formation of apical actin-dependent microvilli. Involved in the formation of a preapical plasma membrane subdomain to set up initial epithelial polarization and the apical lumen formation during renal tubulogenesis. Plays a role in cancer development and aggressiveness by inducing cell migration and invasion through its interaction with the actin-binding protein EZR. Affects EZR-dependent signaling events, leading to increased activities of the MAPK and PI3K pathways in cancer cells.

Purity: 90 %

Target Details

Target: [PODXL](#)

Alternative Name: Podocalyxin ([PODXL Products](#))

Background: Synonyms: GCTM-2 antigen Gp200 Podocalyxin-like protein 1 Short name=PC Short name=PCLP-1

Molecular Weight: 48.3 kD

UniProt: [O00592](#)

Pathways: [Tube Formation](#)

Application Details

Comment: Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

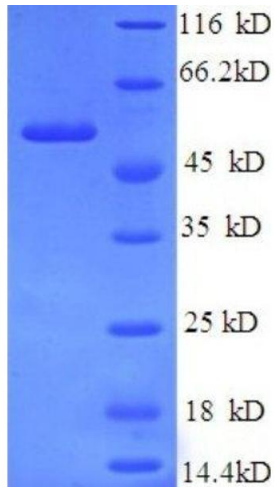
Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: 20mM Tris-HCl, 0.5M NaCl, 10% glycerin, PH 8.0, 200 mM Imidazole

Storage: -20 °C



SDS-PAGE

Image 1.