

Datasheet for ABIN5714282

PODXL Protein (AA 32-458, partial) (His tag)[Go to Product page](#)**1** Image

Overview

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

Product Details

Sequence:	Q NATQTTTDS SNKTAPTPAS SVTIMATDTA QQSTVPTSKA NEILASVKAT TLGVSSDSPG TTTLAQQVSG PVNTTVARGG GSGNPTTIE SPKSTKSADT TTVATSTATA KPNTTSSQNG AEDTTNSGGK SSHSVTTDLT STKAEHLTTP 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 DMKLGDQGPP EEAEDRF
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

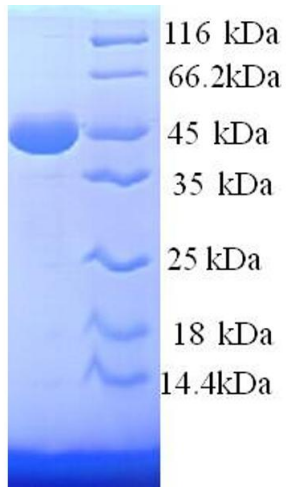
Target:	PODXL
Alternative Name:	PODXL (PODXL Products)
Background:	<p>Involved in the regulation of both adhesion and cell morphology and cancer progression. Function as an anti-adhesive molecule that maintains an open filtration pathway between neighboring foot processes in the podocyte by charge repulsion. Acts as a pro-adhesive molecule, enhancing the adherence of cells to immobilized ligands, increasing the rate of 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.</p>
Molecular Weight:	46.2 kDa
UniProt:	O00592
Pathways:	Tube Formation

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C, 4 °C, -20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.