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## Product Data Sheet

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Product Name: PODXL Mouse  
 Cat. No.: GP24203  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9,Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Podocalyxin;Podocalyxin-like protein 1; PC; PCLP-1.		
Amino Acid Sequence	HNGNETSTSA IKSSTVQSHQ SATTSTEVTT GHPVASTLAS TQPSNPTPFTTSTQSPSMPT STPNPTSNQS GGHLTSSVSE VDKTKTSSPS STAFTSSSGQ TASSGGKSGD SFTTAPTTTTLGLINVSSQPT DLNTTSKLLS TPTTDNTTSP QQPVDSSPST ASHPVGQHTP AAVPSSSGSTPSTDNSTLTW KPTTHKPLGT SEATQPLTSQ TPGITTLPVS TLQQSMASVGTTEEFTHL ISNGTPVAPP GPSTPSPIWA FGNYQLNCEP PIRPDEELLI LNLTRASLCE RSPLDEKEKLVELLCHSVKA SFKPAEDLCT LHVAPILDNQ AVAVKRIIE TKLSPKAVYE LLKDRWDDLTEAGVSDMKLG KEGPPEVNED RFSLEHHHHH H.		
Formulation	PODXL protein solution (0.5mg/ml) containing PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

### Introduction

Podocalyxin (PODXL) is a greatly glycosylated transmembrane sialoprotein in the CD34 and endoglycan family. The PODXL protein is involved in the regulation of both adhesion and cell morphology and cancer progression. PODXL functions as an anti-adhesive molecule, which retains an open filtration pathway between neighboring foot processes in the podocyte by charge repulsion. Moreover, PODXL serves 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.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

PODXL Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 391 amino acids (22-404a.a.) and having a molecular mass of 41.0kDa (Molecular size on SDS-PAGE will appear at approximately 70-100kDa).

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