

## Product datasheet for **AR52038PU-S**

### Podocalyxin / PODXL (22-404, His-tag) Mouse Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Podocalyxin / PODXL (22-404, His-tag) mouse protein, 50 µg
Species:	Mouse
Expression cDNA Clone or AA Sequence:	HNGNETSTSA IKSSTVQSHQ SATTSTEVTT GHPVASTLAS TQPSNTPPFT TSTQSPSMPT STPNPSTSNQS GGNLTSSVSE VDKTKTSSPS STAFTSSSGQ TASSGGKSGD SFTTAPTTTT GLINVSSQPT DLNNTSKLLS TPTTDNTTSP QQPVDSSPST ASHPVGQHTP AAVPSSSGST PSTDNSTLTW KPTTHKPLGT SEATQPLTSQ TPGITLTPVS TLQQSMAS TV GTTTEEFTHL ISNGTPVAPP GPSTPSPIWA FGNYQLNCEP PIRPDEELLI LNLTRASLCE RSPLDEKEKL VELLCHSVKA SFKPAEDLCT LHVAPILDNQ AVAVKRIIE TKLSPKAVYE LLKDRWDDLT EAGVSDMKLG KEGPPEVNED RFSLEHHHHH H
Tag:	His-tag
Predicted MW:	41.0 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Endotoxin:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_038751</a>
Locus ID:	27205
UniProt ID:	<a href="#">Q9R0M4</a> , <a href="#">Q791G4</a>
Cytogenetics:	6 12.57 cM
Synonyms:	AW121214; Ly102; PC; PCLP-1; Pclp1; Podxl1



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**Summary:**

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.[UniProtKB/Swiss-Prot Function]

**Product images:**