

Recombinant Mouse Podxl Protein, His-tagged

Cat. No. Podxl-31M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse PODXL, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
Description	PODXL, also known as Podocalyxin, is a heavily glycosylated transmembrane sialoprotein in the CD34 and endoglycan family. This protein involved in the regulation of both adhesion and cell morphology and cancer progression. It has to function as an anti-adhesive molecule that maintains an open filtration pathway between neighboring foot processes in the podocyte by charge repulsion. Also, it 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.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	41.0kDa (391aa)70-100KDa (SDS-PAGE under reducing conditions.)
AA Sequence	HNGNETSTSA IKSSTVQSHQ SATTSTEVTT GHPVASTLAS TQPSNPTPFPT TSTQSPSMPT STPNPTSNQS GGNLTSSVSE VDKTKTSSPS STAFTSSSGQ TASSGGKSGD SFTTAPTTTL GLINVSSQPT DLNTTSKLLS TPTTDNTTSP QQPVDSSPST ASHPVGQHTP AAVPSSSGST PSTDNSTLTW KPTTHKPLGT SEATQPLTSQ TPGITTLPVS TLQQSMAS TV GTTTEEFTHL ISNGTPVAPP

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GPSTPSPIWA FGNYQLNCEP PIRPDEELLI LNLTRASLCE RSPLDEKEKL
VELLCHSVKA SFKPAEDLCT LHVAPILDNQ AVAVKRIIE TKLSPKAVYE
LLKDRWDDLT EAGVSDMKLG KEGPPEVNED RFSLEHHHHH H

Endotoxin < 1.0 EU per 1 microgram of protein (determined by LAL method)

Purity >95% by SDS - PAGE

Storage Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name [Podxl podocalyxin-like \[Mus musculus \]](#)

Official Symbol [Podxl](#)

Synonyms PODXL; podocalyxin-like; podocalyxin; PC; Ly102; Pclp1; PCLP-1; AW121214;

Gene ID [27205](#)

mRNA Refseq [NM_013723](#)

Protein Refseq [NP_038751](#)

MIM

UniProt ID

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