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PODXL Human

Podocalyxin-Like Human Recombinant
RCP1674

Product Overview

Name	PODXL Human
Description	
Podocalyxin-Like Human Recombinant	
Accession (Primary)	O00592
Synonyms	
Podocalyxin, Podocalyxin-like protein 1, PC, PCLP-1.	
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.	
Source	
HEK293 Cells	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
PODXL protein solution (1mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.	
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.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	
DGS -SPSPSPS PSQNATQTTT DSSNKTAPTP ASSVTIMATD TAQQSTVPTS KANEILASVK ATTLGVSSDS PGTTTLAQQV SGPVNTTVAR GGGSGNPTTT IESPKSTKSA DTTTVATSTA TAKPNTTSSQ NGAEDTTNSG GKSSHSVTTD LTSTKAEHLT TPHPTSPLSP RQPTSTHPVA TPTSSGHDHL MKISSSSSTV AIPGYTFTSP GMTTTLPSSV ISQRTQQTSS QMPASSTAPS SQETVQPTSP ATALRTPTLP ETMSSSPTAA STTHRYPKTP	

SPTVAHESNW AKCEDLETQT QSEKQLVLNL TGNTLCAGGA SDEKLISLIC RAVKATFNPA QDKCGIRLAS VPGSQTVVVK EITIHTKLPA KDVYERLKDK WDELKEAGVS DMKLGDQGPP EEAEDRFSMP- HHHHHH .

Precautions

PODXL Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O00592)