

Podxl, 22-404aa, Mouse, His tag, Baculovirus

Cat.NO.: TP03450

3th Edition

Synonyms:Podocalyxin, AW121214, Ly102, PC, PCLP-1, Pclp1

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. Recombinant mouse PODXL, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:41.0kDa (391aa), 70-100kDa (SDS-PAGE under reducing conditions.)

Sequences:

HNGNETSTSAIKSSTVQSHQSATTSTEVTGHPVASTLASTQPSNTPFTTSTQSPSMPTSTPNPTSNQSGGNLTS
SVSEVDKTKTSSPSSTAFTSSSGQTASSGGKSGDSFTTAPTTLGLINVSSQPTDLNNTSKLLSTPTTDNTTSPQQP
VDSSPSTASHPVGQHTPAAVPSSSGSTPSTDNSTLTWKPTTHKPLGTSEATQPLTSQTPGITTLPVSTLQQSMAS
VGTTFEEFTHLISNGTPVAPPGPSTPSPIWAFGNYNLCEPPIRPDEELLILNLTRASLCERSPLDEKEKLVELLCHSV
KASFKPAEDLCTLHVAPILDNQAVAVKRIIIETKLSPKAVYELLKDRWDDLTEAGVSDMKLGKEGPPEVNEDRFSLEH
HHHHH

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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