



# Recombinant Rat Podocalyxin (Podxl)

<b>Product Code</b>	CSB-EP893876RA
<b>Abbreviation</b>	Podxl
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9WTQ2
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	QDNGNK TDTSDITSID QNQDKPATNQ PSNATPKSSV QPPTPTSIST SSPDPKATQS SNSSVTTTSD STTDRSSST STVPTTSNSG QTVSSGGKSS DKITTALPTT LGPVNASSQP TDLNTSTKLP STPTTINSTAS PHQPVSHSEG QHTTVQSSSA SVSSSDNTTL LWILTTSKPT GTSEGTQPIA ISTPGITTPV STPLQPTGSP GGTESVPTTE EFTHSTSSWT PVVSQGPSTP SSTWTSGSYK LKCDPAIKPH EELLILNLTR DSFCKGSPPN ERFLELLCHS AKASFKPAED SCALELAPIL DNQAVAVKRI VIETKLSPKA VFELLKDKWD DLTEAGVIDI HLGKEGPPEV NEDRFS
<b>Source</b>	E.coli
<b>Target Names</b>	Podxl
<b>Protein Names</b>	Recommended name: Podocalyxin Alternative name(s): Podocalyxin-like protein 1 Short name= PC Short name= PCLP-1
<b>Expression Region</b>	25-386
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Extracellular domain
<b>Target Details</b>	This gene encodes a member of the sialomucin protein family. The encoded protein was originally identified as an important component of glomerular podocytes. Podocytes are highly differentiated epithelial cells with interdigitating foot processes covering the outer aspect of the glomerular basement membrane. Other biological activities of the encoded protein include: binding in a membrane protein complex with Na <sup>+</sup> /H <sup>+</sup> exchanger regulatory factor to intracellular cytoskeletal elements, playing a role in hematopoietic cell differentiation, and being expressed in vascular endothelium cells and binding to L-selectin.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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