

Recombinant Human PODXL protein, His & GST-tagged

Cat. No. PODXL-7641H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PODXL aa. (Ala220~Ile431 (Accession # O00592)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala220~Ile431
Description	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⁺/H⁺ 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 55.1kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.2.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

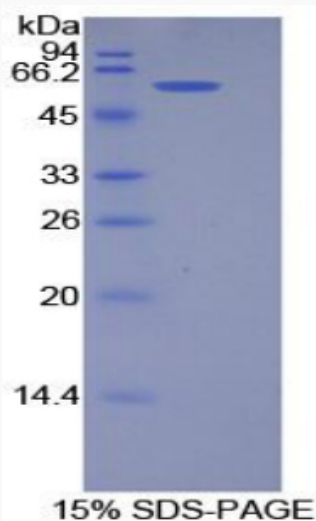
Gene Name	PODXL podocalyxin like [Homo sapiens (human)]
Official Symbol	PODXL
Synonyms	PC; PCLP; Gp200; PCLP-1; GCTM-2 antigen; podocalyxin-like protein 1; podocalyxin
Gene ID	5420
mRNA Refseq	NM_001018111.2
Protein Refseq	NP_001018121.1
UniProt ID	O00592

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SDS-PAGE



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