

## Product datasheet for **TP310816**

### PODXL (NM\_005397) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens podocalyxin-like (PODXL), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210816 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MRCALALSALLLLSTPPLLSPSPSPSPSQNATQTTTSSNKTAPTASSVTIMATDTAQQSTVPTSK  
ANEILASVKATTLGVSSDSPGTTTTLAQQVSGPVNTTVARGGGSGNPTTTTIESPKSTKSADTTTSTAT  
AKPNTTSSQNGAEDTTNSGGKSSHVTTDLTSTKAEHLTPHPTSPLSPRQPTSTHPVATPTSSGHDHLM  
KISSSSSTVAIPGYTFTSPGMTTTLPSVISQRTQQTSSQMPASSTAPSSQETVQPTSPATALRTPPLPE  
TMSSSPTAASTTHRYPKTPSPTVAHESNWAKCEDLETQTQSEKQLVLNLTGNTLCAGGASDEKLISLICR  
AVKATFNPAQDKCGIRLASVPGSQTVVKEITIHTKLPKDVYERLKDQWDELKEAGVSDMKLGDQGPPE  
EAEDRFSMPLIITIVCMASFLLLVAALYGCCHQRLSQRKDQQLTEELQTVENGYHDNPTLEVMTSSEM  
QEKKVSLNGLGDSWIVPLDNLTKDDLDEEEDTHL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

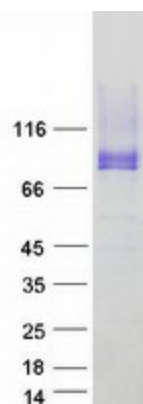
Tag:	C-Myc/DDK
Predicted MW:	53.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_005388</a>
<b>Locus ID:</b>	5420
<b>UniProt ID:</b>	<a href="#">O00592</a> , <a href="#">Q96N83</a>
<b>RefSeq Size:</b>	5911
<b>Cytogenetics:</b>	7q32.3
<b>RefSeq ORF:</b>	1578
<b>Synonyms:</b>	gp135; Gp200; PC; PCLP; PCLP-1; PDX; PODXL1
<b>Summary:</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. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Transmembrane

### Product images:



Coomassie blue staining of purified PODXL protein (Cat# TP310816). The protein was produced from HEK293T cells transfected with PODXL cDNA clone (Cat# [RC210816]) using MegaTran 2.0 (Cat# [TT210002]).