

## Product datasheet for **RC219976L3V**

### PODXL (NM\_001018111) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | PODXL (NM_001018111) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | PODXL  |
| Synonyms:                 | gp135; Gp200; PC; PCLP; PCLP-1; PDX; PODXL1  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_001018111   |
| ORF Size:                 | 1674 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC219976).   |
| OTI Disclaimer:           | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a> |
| OTI Annotation:           | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| RefSeq:                   | <a href="#">NM_001018111.1</a>   |
| RefSeq Size:              | 5999 bp  |
| RefSeq ORF:               | 1677 bp  |
| Locus ID:                 | 5420   |
| UniProt ID:               | <a href="#">O00592</a>   |
| Cytogenetics:             | 7q32.3   |
| Protein Families:         | Transmembrane  |
| MW:                       | 58.64 kDa  |



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**Gene Summary:**

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]