

## Product datasheet for **RC210027L1V**

### **PYCR1 (NM\_006907) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | PYCR1 (NM_006907) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | PYCR1  |
| Synonyms:                 | ARCL2B; ARCL3B; P5C; P5CR; PIG45; PP222; PRO3; PYCR  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_006907  |
| ORF Size:                 | 957 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC210027).   |
| 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_006907.2</a> , <a href="#">NP_008838.2</a>  |
| RefSeq Size:              | 2059 bp  |
| RefSeq ORF:               | 960 bp   |
| Locus ID:                 | 5831   |
| UniProt ID:               | <a href="#">P32322</a>   |
| Cytogenetics:             | 17q25.3  |
| Protein Pathways:         | Arginine and proline metabolism, Metabolic pathways  |
| MW:                       | 33.2 kDa   |



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**Gene Summary:**

This gene encodes an enzyme that catalyzes the NAD(P)H-dependent conversion of pyrroline-5-carboxylate to proline. This enzyme may also play a physiologic role in the generation of NADP(+) in some cell types. The protein forms a homopolymer and localizes to the mitochondrion. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]