

Product datasheet for **RC230275L4V**

PCCB (NM_001178014) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | PCCB (NM_001178014) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | PCCB |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001178014 |
| ORF Size: | 1677 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC230275). |
| 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. More info |
| 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: | NM_001178014.1 , NP_001171485.1 |
| RefSeq ORF: | 1680 bp |
| Locus ID: | 5096 |
| UniProt ID: | P05166 |
| Cytogenetics: | 3q22.3 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Metabolic pathways, Propanoate metabolism, Valine, leucine and isoleucine degradation |
| MW: | 61 kDa |



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Gene Summary:

The protein encoded by this gene is a subunit of the propionyl-CoA carboxylase (PCC) enzyme, which is involved in the catabolism of propionyl-CoA. PCC is a mitochondrial enzyme that probably acts as a dodecamer of six alpha subunits and six beta subunits. This gene encodes the beta subunit of PCC. Defects in this gene are a cause of propionic acidemia type II (PA-2). Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, May 2010]