**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for RC207346L2V

## P cadherin (CDH3) (NM_001793) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | P cadherin (CDH3) (NM_001793) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | P cadherin |
| **Synonyms:** | CDHP; HJMD; PCAD |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pLenti-C-mGFP (PS100071) |
| **Tag:** | mGFP |
| **ACCN:** | NM_001793 |
| **ORF Size:** | 2487 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC207346). |
| **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_001793.3 |
| **RefSeq Size:** | 4276 bp |
| **RefSeq ORF:** | 2490 bp |
| **Locus ID:** | 1001 |
| **UniProt ID:** | P22223 |
| **Cytogenetics:** | 16q22.1 |
| **Protein Families:** | Druggable Genome, Transmembrane |
| **Protein Pathways:** | Cell adhesion molecules (CAMs) |

View online »

**MW:** 91.5 kDa

**Gene Summary:** This gene encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. This gene is located in a gene cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene are associated with hypotrichosis with juvenile macular dystrophy and ectodermal dysplasia, ectrodactyly, and macular dystrophy syndrome (EEMS). [provided by RefSeq, Nov 2015]