**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 RC216764

## PRCD (NM_001077620) Human Tagged ORF Clone

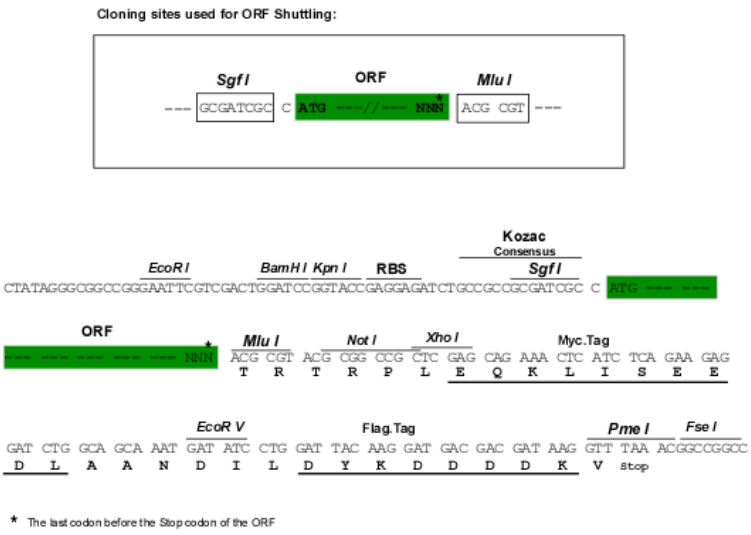
### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | PRCD (NM_001077620) Human Tagged ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | PRCD |
| **Synonyms:** | RP36 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |
| **ORF Nucleotide Sequence:** | >RC216764 representing NM_001077620<br>Red=Cloning site Blue=ORF Green=Tags(s)<br><br>TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC<br>GCCGCGATCGCC<br><br>ATGTGCACCACCCTTTTCCTGCTCAGCACCCTGGCCATGCTCTGGCGCCGCCGATTTGCCAACCGAGTCC<br>AACCAGAGCCCAGCGACGTGGATGGGGCAGCTAGGGGCAGCAGCTTGGATGCGGACCCTCAGTCCTCAGG<br>CAGGGAGAAAGAACCTCTGAAG<br><br>ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT<br>ACAAGGATGACGACGATAAGGTTTAA |
| **Protein Sequence:** | >RC216764 representing NM_001077620<br>Red=Cloning site Green=Tags(s)<br><br>MCTTLFLLSTLAMLWRRRFANRVQPEPSDVDGAARGSSLDADPQSSGREKEPLK<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Chromatograms:** | https://cdn.origene.com/chromatograms/mk8018_c08.zip |
| **Restriction Sites:** | SgfI-MluI |

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

**Cloning Scheme:**

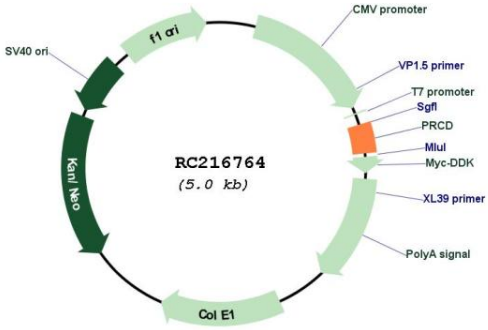



| | |
|---|---|
| **ACCN:** | NM_001077620 |
| **ORF Size:** | 162 bp |
| **OTI Disclaimer:** | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (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. |
| **Components:** | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| **RefSeq:** | NM_001077620.3 |
| **RefSeq Size:** | 937 bp |
| **RefSeq ORF:** | 165 bp |

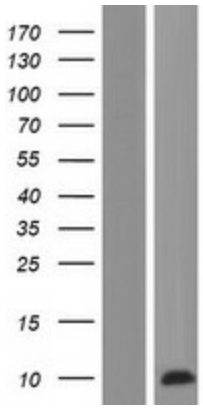
This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

| | |
|---|---|
| **Locus ID:** | 768206 |
| **UniProt ID:** | Q00LT1 |
| **Cytogenetics:** | 17q25.1 |
| **MW:** | 5.8 kDa |
| **Gene Summary:** | This gene is predominantly expressed in the retina, and mutations in this gene are the cause of autosomal recessive retinal degeneration in both humans and dogs. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2010] |

## Product images:

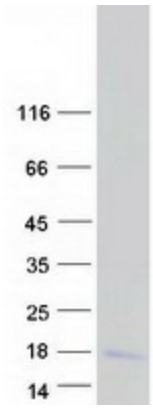



Circular map for RC216764




Western blot validation of overexpression lysate (Cat# [LY421463]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216764 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US




Coomassie blue staining of purified PRCD protein (Cat# [TP316764]). The protein was produced from HEK293T cells transfected with PRCD cDNA clone (Cat# RC216764) using MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US