

## Product datasheet for SC315463

### PRCD (NM\_001077620) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRCD (NM_001077620) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRCD
Synonyms:	RP36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315463 representing NM_001077620. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC  
 ATGTGCACCACCTTTTCTGCTCAGCACCTGGCCATGCTCTGGCGCCGCCGATTTGCCAACCGAGTC  
 CAACCAGAGCCCAGCGACGTGGATGGGGCAGCTAGGGGCAGCAGCTTGGATGCGGACCCTCAGTCCTCA  
 GGCAGGGAGAAAGAACCTCTGAAGTAA  
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGCCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001077620
Insert Size:	165 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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\\_001077620.2](#)

**RefSeq Size:** 2010 bp

**RefSeq ORF:** 165 bp

**Locus ID:** 768206

**UniProt ID:** [Q00LT1](#)

**Cytogenetics:** 17q25.1

**MW:** 6 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]  
Transcript Variant: This variant (1) represents the protein coding transcript. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.