

## PDRG1 cDNA

Catalog Number: ATGD0097

### PRODUCT INFORMATION

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**Catalog number**

ATGD0097

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_110442.1

**Alternative Names**

C20orf126, PDRG

**mRNA Refseq**

NM\_030815.2

**OMIM**

610789

**Chromosome location**

20q11.21

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

402bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
  2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

## PDRG1 cDNA

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PDRG1, also known as PDRG or C20orf126, is a 133 amino acid protein that localizes to the cytoplasm and belongs to the prefoldin subunit beta family. Expressed predominately in normal testicular tissue, PDRG1 is functionally induced by ultraviolet light and is thought to play a role in chaperone-mediated protein folding, possibly playing a role in cellular degradation. It is associated with Creutzfeldt-Jakob disease, amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome.

## DATA

### Sequence nucleotides

```
ATGCTATCAC CCGAGGCAGA GCGAGTGCTG CGGTACCTTG TAGAAGTGGA GGAGCTCGCC GAGGAGGTGC
TGGCGGACAA GCGGCAGATT GTGGACCTGG AACTAAAAG GAATCAGAAT CGAGAGGGCC TGAGGGCCCT
GCAGAAGGAT CTCAGCCTCT CTGAAGATGT GATGGTTTGC TTCGGGAACA TGTTTATCAA GATGCCTCAC
CCTGAGACAA AGGAAATGAT TGA AAAAGAT CAAGATCATC TGGATAAAGA AATAGAAAAA CTGCGGAAGC
AACTTAAAGT GAAGGTCAAC CGCCTTTTTC AGGCCCAAGG CAAACCGGAG CTGAAGGGTT TTAAC TTGAA
CCCCCTCAAC CAGGATGAGC TTAAAGCTCT CAAGGTCATC TTGAAAGGAT GA
```

### Transaction Sequence

```
MLSPEAERVL RYLVEVEELA EEVLADKRQI VLDLTKRNQN REGLRALQKD LSLSEDVMVC FGNMFIKMPH PETKEMIEKD
QDHLDKEIEK LRKQLKVKN RLFEAQGKPE LKGFNLNPLN QDELKALKVI LKG
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