

PDRG1 cDNA

Catalog Number: ATGD0097

PRODUCT INFORMATION

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

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

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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

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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 CGCCTTTTTG AGGCCCAAGG CAAACCGGAG CTGAAGGGTT TTA ACTTGAA
CCCCCTCAAC CAGGATGAGC TTAAAGCTCT CAAGGTCATC TTGAAAGGAT GA
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Transaction Sequence

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MLSPEAERVL RYLVEVEELA EEVLADKRQI VLDTKRNQN REGLRALQKD LLS SEDVMVC FGNMFIKMPH PETKEMIEKD
QDHL DKEIEK LRKQLKVKN RLFEAQGKPE LKGFNLNPLN QDELKALKVI LKG
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