

URM1 cDNA

Catalog Number: ATGD0093

PRODUCT INFORMATION

Catalog number

ATGD0093

Product type

cDNA

Species

Human

NCBI Accession No.

NP_112176.1

Alternative Names

C9orf74

mRNA Refseq

NM_030914.3

OMIM

612693

Chromosome location

9q34.11

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

306bp

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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uRM1 is ubiquitin-related modifier 1 homolog protein that primarily functions in the post-translational modification of proteins by way of the urmylation pathway. In studies with *Saccharomyces cerevisiae*, it has been found that urm1 covalently binds to its E1 activating enzyme, uba4p, to conjugate alkyl hydroperoxide reductase (Ahp1). It is hypothesized that this complex may then play a role in the oxidative-stress response in mammals.

DATA

Sequence nucleotides

```
ATGGCTGCGC CCTTGTCACT GGAGGTGGAG TTCGGAGGTG GTGCGGAGCT CCTGTTTGAC GGTATTAAGA  
AACATCGAGT CACTTTGCCT GGACAGGAGG AACCTGGGA CATCCGGAAC CTGCTCATCT GGATCAAGAA  
GAATTTGCTA AAAGAGCGGC CAGAGTTGTT CATCCAGGGA GACAGCGTGC GGCCAGGAAT TCTGGTGCTG  
ATTAACGATG CCGACTGGGA GCTACTGGGT GAGCTGGACT ACCAGCTTCA GGACCAGGAC AGCGTCCTCT  
TCATCTCCAC TCTGCACGGC GGCTGA
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Transaction Sequence

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MAAPLSVEVE FGGAELLFD GIKKHRVTLP GQEEPWDIRN LLIWIKNLL KERPELFIQG DSVRPGILVL INDADWELLG  
ELDYQLQDQD SVLFISTLHG G
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