

# ACYP1 cDNA

Catalog Number: ATGD0263

## PRODUCT INFORMATION

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**Catalog number**

ATGD0263

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_001098.1

**Alternative Names**

ACYPE

**mRNA Refseq**

NM\_001107.4

**OMIM**

600875

**Chromosome location**

14q24.3

## PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

300bp

**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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ACYP1 is a member of the acylphosphatase family. The encoded protein is a small cytosolic enzyme that catalyzes the hydrolysis of the carboxyl-phosphate bond of acylphosphates. Two isoenzymes have been isolated and described based on their tissue localization: erythrocyte (common) type acylphosphatase encoded by this gene, and muscle type acylphosphatase. Alternative splicing results in multiple transcript variants.

### DATA

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#### Sequence nucleotides

```
ATGGCAGAAGGAAACACCCTGATATCAGTGGATTATGAAATTTTTGGGAAGGTGCAAGGGGTGTTTTTCCGTAAGCATACTC  
AGGCTGAGGGTAAAAAGCTGGGATTGGTAGGCTGGGTCCAGAACAACCTGACCGGGGCACAGTGCAAGGACAATTGCAAGGT  
CCCATCTCCAAGGTGCGTCATATGCAGGAATGGCTTGAAACAAGAGGAAGTCCTAAATCACACATCGACAAAGCAAACCTCA  
ACAATGAAAAAGTCATCTTGAAGTTGGATTACTCAGACTTCCAAATTGTAAATAA
```

#### Transaction Sequence

```
MAEGNTLISV DYEIFGKVQG VFFRKHTQAE GKKLGLVGWV QNTDRGTVQG QLQGPISKVRHMQEWLETRG SPKSHIDKAN  
FNNEKVLKL DYSDFQIVK
```