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## **ACYP1 cDNA**

Catalog Number: ATGD0263

#### **PRODUCT INFORMATION**

#### 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

#### **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**

#### Sequence nucleotides

ATGGCAGAAGGAAACACCCTGATATCAGTGGATTATGAAATTTTTGGGAAGGTGCAAGGGGTGTTTTTCCGTAAGCATACTC AGGCTGAGGGTAAAAAGCTGGGATTGGTAGGCTGGGTCCAGAACACTGACCGGGGCACAGTGCAAGGACAATTGCAAGGT CCCATCTCCAAGGTGCGTCATATGCAGGAATGGCTTGAAACAAGAGGAAGTCCTAAATCACACATCGACAAAGCAAACTTCA ACAATGAAAAAAGTCATCTTGAAGTTGGATTACTCAGACTTCCAAATTGTAAAATAA

#### **Transaction Sequence**

MAEGNTLISV DYEIFGKVQG VFFRKHTQAE GKKLGLVGWV QNTDRGTVQG QLQGPISKVRHMQEWLETRG SPKSHIDKAN FNNEKVILKL DYSDFQIVK

