

Product datasheet for RC235878

ACYP1 (NM 001302617) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ACYP1 (NM_001302617) Human Tagged ORF Clone

Tag: Myc-DDK

Symbol: ACYP1

Synonyms: ACYPE

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide >RC235878 representing NM_001302617
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGCCGGCGTCCGCCGGCGGGAGCGGGGCTGCTGCTGCTGCTTTCTCCGCGCGCTCGGCTGCGCTG GGCGGGCCCCAGGTTTGAGCATGGCAGAAGGAAACACCCTGATATCAGTGGATTATGAAATTTTTGGGAA GGTGCAAGGGGTGTTTTTCCGTAAGCATACTCAGGCTGAGGGTAAAAAGCTGGGATTGGTAGGCTGGGTC CAGAACACTGACCGGGGCACAGTGCAAGGACAATTGCAAGGTCCCATCTCCAAGGTGCGTCATATGCAGG AATGGCTTGAAACAAGAGGAAGTCCTAAATCACACATCGACAAAGCAAACTTCAACAATGAAAAAGTCAT

CTTGAAGTTGGATTACTCAGACTTCCAAATTGTAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235878 representing NM_001302617

Red=Cloning site Green=Tags(s)

MPASARLAGAGLLLAFLRALGCAGRAPGLSMAEGNTLISVDYEIFGKVQGVFFRKHTQAEGKKLGLVGWV

QNTDRGTVQGQLQGPISKVRHMQEWLETRGSPKSHIDKANFNNEKVILKLDYSDFQIVK

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

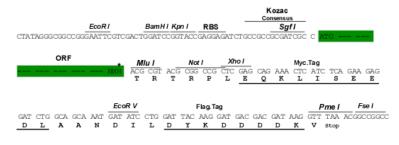
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



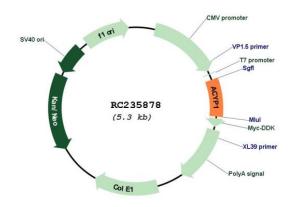
Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001302617

ORF Size: 387 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

ACYP1 (NM_001302617) Human Tagged ORF Clone - RC235878

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001302617.2</u>

RefSeq Size: 815 bp
RefSeq ORF: 390 bp
Locus ID: 97

Cytogenetics: 14q24.3

Protein Pathways: Pyruvate metabolism

MW: 14.6 kDa

Gene Summary: This gene 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. [provided by

RefSeq, Oct 2014]