

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCGGCGTCCGCCCGCTGGCGGGAGCGGGGCTGCTGCTGGCCTTTCTCCGCGCGCTCGGCTGCGCTG
GGCGGGCCCCAGGTTTGAGCATGGCAGAAGGAAACACCCTGATATCAGTGGATTATGAAATTTTTGGGAA
GGTGAAGGGGTGTTTTCCGTAAGCATACTCAGGCTGAGGGTAAAAAGCTGGGATTGGTAGGCTGGGTC
CAGAACACTGACCGGGGACAGTGCAAGGACAATTGCAAGGTCCCATCTCCAAGGTGCGTCATATGCAGG
AATGGCTTGAAACAAGAGGAAGTCTAAATCACACATCGACAAAGCAAACCTCAACAATGAAAAAGTCAT
CTTGAAGTTGGATTACTCAGACTTCAAATTGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235878 representing NM_001302617
Red=Cloning site Green=Tags(s)

MPASARLAGAGLLLAFLRALGCAGRAPGLSMAEGNTLISVDYEIFGKVQGVFFRKHTQAEGKKLGLVGWV
QNTDRGTVQQLQGPISKVVRHMQEWLETRGSPKSHIDKANFNNEKVILKLDYSDFQIVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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:	<ol style="list-style-type: none">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]