

Product datasheet for **SC333772**

ACYP1 (NM_001302617) Human Untagged Clone

Product data:

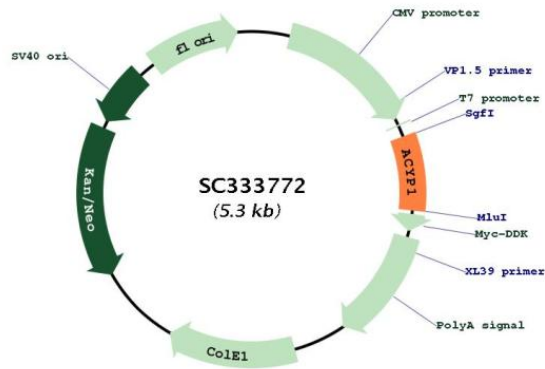
Product Type:	Expression Plasmids
Product Name:	ACYP1 (NM_001302617) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACYP1
Synonyms:	ACYPE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333772 representing NM_001302617. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GTCGTTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCGGCGTCCGCCCGCTGGCGGGAGCGGGGCTGCTGCTGGCCTTTCTCCGCGCGCTCGGCTGCGCT
GGGCGGGCCCCAGGTTTGAGCATGGCAGAAGGAAACACCCTGATATCAGTGGATTATGAAATTTTGGG
AAGGTGCAAGGGGTGTTTTCCGTAAGCATACTCAGGCTGAGGGTAAAAAGCTGGGATTGGTAGGCTGG
GTCCAGAACTGACCGGGCACAGTGAAGGACAATTGCAAGGTCCCATCTCCAAGTGCGTCATATG
CAGGAATGGCTTGAAACAAGAGGAAGTCTAAATCACACATCGACAAAGCAAACCTCAACAATGAAAA
GTCATCTTGAAGTTGGATTACTCAGACTTCAAATTTGAAAATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001302617

Insert Size: 390 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [NM_001302617.1](#)

RefSeq Size: 815 bp

RefSeq ORF: 390 bp

Locus ID: 97

Cytogenetics: 14q24.3

Protein Pathways: Pyruvate metabolism

MW: 14.1 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]
Transcript Variant: This variant (4) uses an upstream alternate 5' terminal exon and lacks an alternate exon, compared to variant 1. The encoded isoform (c) has a longer N-terminus, compared to isoform a.