

Product datasheet for **RG235878**

ACYP1 (NM_001302617) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ACYP1 (NM_001302617) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ACYP1
Synonyms: ACYPE
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235878 representing NM_001302617.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCGGCGTCCGCCCGCTGGCGGGAGCGGGGCTGCTGCTGGCCTTTCTCCGCGCGCTCGGCTGCGCT
GGGCGGGCCCCAGGTTTGAGCATGGCAGAAGGAAACACCCTGATATCAGTGGATTATGAAATTTTGGG
AAGGTGCAAGGGGTGTTTTCCGTAAGCATACTCAGGCTGAGGGTAAAAAGCTGGGATTGGTAGGCTGG
GTCCAGAACACTGACCGGGCACAGTGAAGGACAATTGCAAGTCCCATCTCCAAGTGCGTCATATG
CAGGAATGGCTTGAACAAGAGGAAGTCTAAATCACACATCGACAAAGCAAACCTCAACAATGAAAA
GTCATCTTGAAGTTGGATTACTCAGACTTCCAAATTGTAACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235878
Blue=ORF Red=Cloning site Green=Tag(s)

```
MPASARLAGALLLAFLRALGCAGRAPGLSMAEGNTLISVDYEIFGKVVQGVFFRKHTQAEGKKLGLVW
VQNTDRGTVQGLQGPISKVRHMQEWLETRGSPKSHIDKANFNNEKVILKLDYSDFQIVK
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-Mlul



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Cloning Scheme:


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](#)

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).

RefSeq: [NM_001302617.2](#)

RefSeq Size: 815 bp

RefSeq ORF: 390 bp

Locus ID: 97

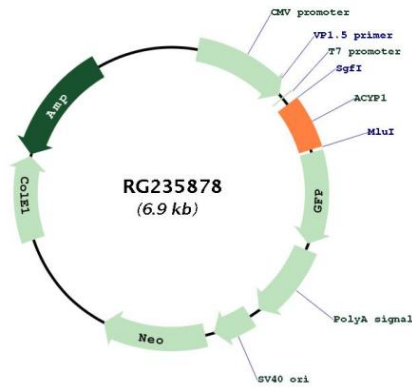
Cytogenetics: 14q24.3

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]

Product images:


Circular map for RG235878