

## Product datasheet for RC206182L3

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OriGene Technologies, Inc.

## ACSF3 (NM\_174917) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** ACSF3 (NM\_174917) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: ACSF3

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF

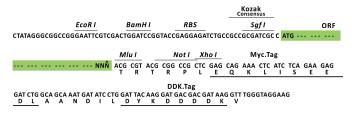
Sequence:

The ORF insert of this clone is exactly the same as(RC206182).

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_174917

ORF Size: 1728 bp





## ACSF3 (NM\_174917) Human Tagged Lenti ORF Clone - RC206182L3

**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).

**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 174917.3</u>

 RefSeq Size:
 3747 bp

 RefSeq ORF:
 1731 bp

 Locus ID:
 197322

 UniProt ID:
 Q4G176

 Cytogenetics:
 16q24.3

MW: 64.1 kDa

Gene Summary: This gene encodes a member of the acyl-CoA synthetase family of enzymes that activate fatty acids by catalyzing the formation of a thioester linkage between fatty acids and coenzyme A.

The encoded protein is localized to mitochondria, has high specificity for malonate and

methylmalonate and possesses malonyl-CoA synthetase activity. Mutations in this gene are a cause of combined malonic and methylmalonic aciduria. Alternatively spliced transcript

variants have been observed for this gene. [provided by RefSeq, Sep 2013]