

Specifications:

Gene:	mSlc27a2
Accession:	NP_036108
Insert size:	1875bp
Concentration:	10µg at 0.2µg/µL

mFATP2 cDNA Plasmid

**Slc27a2 solute carrier family
27 (fatty acid transporter),
member 2 [*Mus musculus*
(house mouse)]**

Also known as: VLCS; Vlac;
FATP2; Vlac; ACSVL1

Summary:

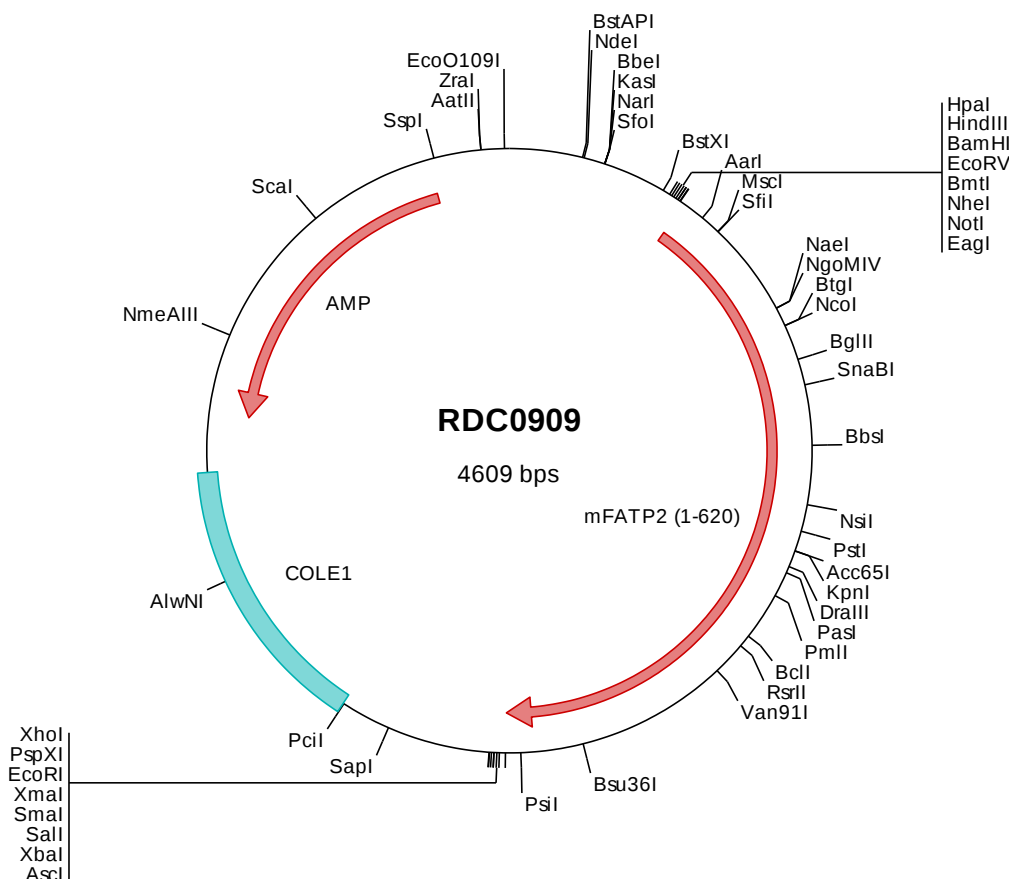
FATP2 is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. All isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. FATP2 localizes to the endoplasmic reticulum and is predominantly expressed in the liver and kidney. FATP2 may be a potential target for the treatment of nonalcoholic fatty liver disease.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.





> RDC0909 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tgcgtagcgc ggccgcaccc atgtgtccag tgcctacac ccggcctggg gggctgtctg tgcctctct
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701  tggacccggc cagcaaccaa gtggcgcggt cgcgtcacga tcaactgggc ctacgacagg gggattgcgt agccctcttc atgggcaatg agccggccta
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> RDC0909 Translated Insert Sequence

```
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201  vsaepntpesw rsevtfttfa vviytsgttg lpkaatinhh rlwygtglam ssgitaqdv yttmlyhsa almgilhgci vvgatlalrs kfsasqfwd
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501  vglvdfveev nvgyvpvpg hgrimgaslk ikenyefngk klfgahiaeyl psyarprflr iqdtieitgt fkhkrvtlme egfnptvikd tlyfmdaack
601  tfvpmteniy naiddtklkl
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