

Specifications:

Gene:	mSlc27a1
Accession:	NP_036107
Insert size:	1953bp
Concentration:	10µg at 0.2µg/µL

mFATP1 cDNA Plasmid

Slc27a1 solute carrier family 27 (fatty acid transporter), member 1 [*Mus musculus* (house mouse)]

Also known as: Fatp; FATP1

Summary:

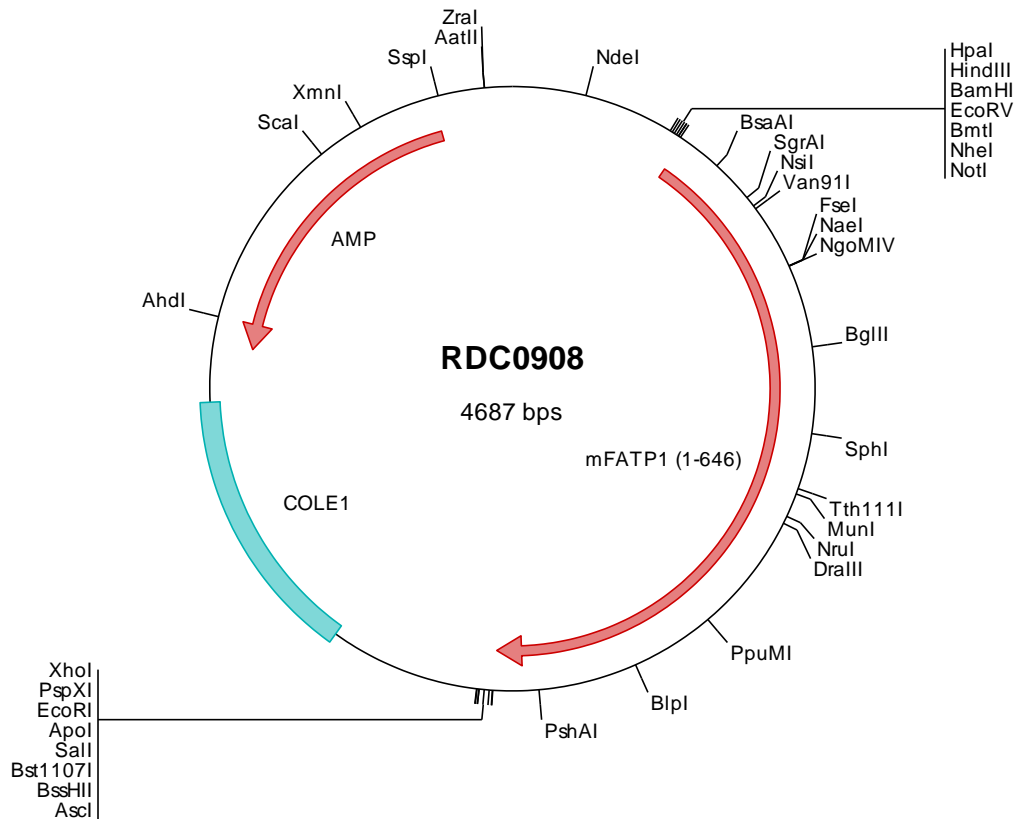
FATP1 is a plasma membrane protein with 6 transmembrane domains. It is involved in translocation of long-chain fatty acids (LCFA) across the plasma membrane. FATP1 is expressed in muscle, intestine, and adipose tissue. Modulation of FATP functions has wide-range effects, including insulin sensitivity, defective skin and energy homeostasis, and altered bile acid metabolism, indicating that the FATP proteins have enzymatic activities as well as being involved in fatty acid uptake.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0908 Plasmid DNA Sequence

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1 tcgcgcggtt cggatgatgac ggtgaaaac tctgacacat gacgctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagccc
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> RDC0908 Translated Insert Sequence

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