

Specifications:

Gene:	mSlc27a5
Accession:	NP_033538
Insert size:	2082bp
Concentration:	10µg at 0.2µg/µL

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.

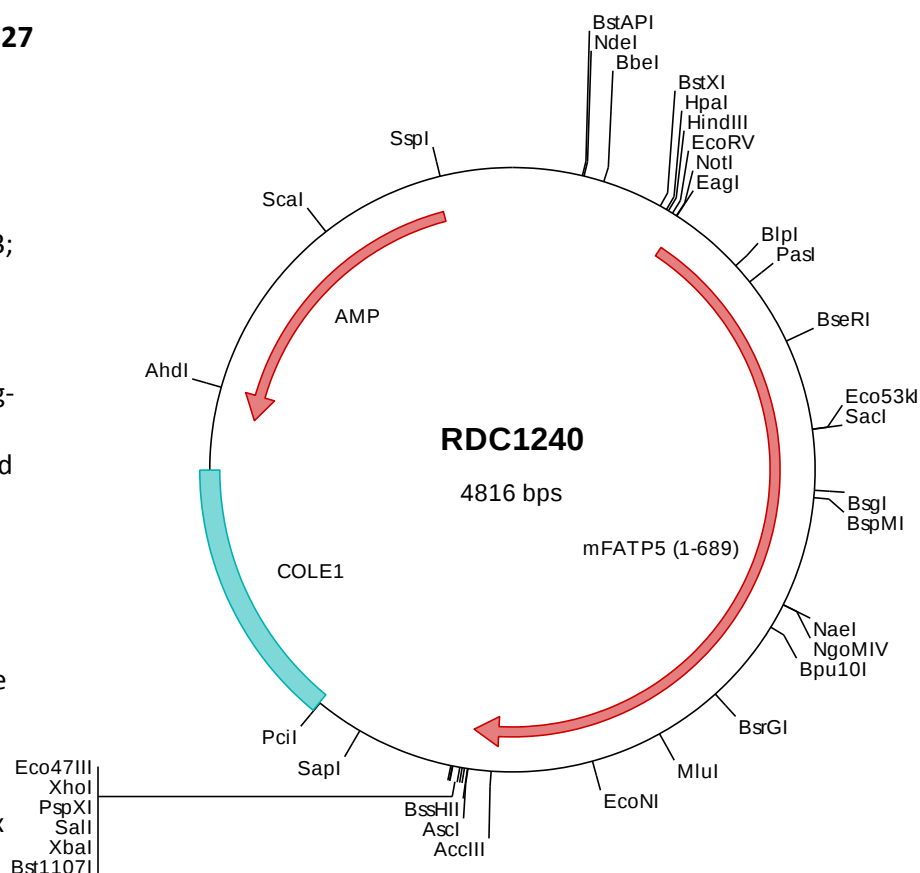
mFATP5 cDNA Plasmid

**Slc27a5 solute carrier family 27
(fatty acid transporter),
member 5 [*Mus musculus*
(house mouse)]**

Also known as: FATP5; FACVL3;
VLCSH2; Vlacs; VLCS-H2

Summary:

FATP5 is an isozyme of very long-chain acyl-CoA synthetase (VLCS). It is exclusively expressed in liver and associated with endoplasmic reticulum but not with peroxisomes. FATP5 belongs to the ATP-dependent AMP-binding enzyme family. It may catalyze the first step in the conjugation of C24 bile acids (choloneates) to glycine and taurine. FATP5 plays a role in fatty acid elongation or complex lipid synthesis.





> RDC1240 Plasmid DNA Sequence

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1   tcgcgcggttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaggg ggaatgtctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggccgccacc atgggtattt ggaagaaact aaccttactg ctgttctgct tctctgtgtg
501  ttggcttgggg cagcccccac ggccagcagc tatggctctg gccctgcgtt ggttctctgg agaccccaca tgcttctgct tgcttggctt gccattgctg
601  ggcagaccct ggatcagctc ctggatgccc cactggctga gcoctggtag agcagctctt acctatttcc tattgcctct acagccaccc ccagggtac
701  gctggctgca taaagatgtg gctttcacct tcaaatgctc tttctatggc ctaaagtcca ggcagcgcct taacaaacat cctccagaga cctttgtgga
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901  tcctgtcagg cagcatgggt cctgaaagca aagctgaagg atgcgtaat ccagaacaca agagatgctg ctgctatctt agttctcccg tccaagacca
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2401 ggttttgatg tggggatcat tgcctgacct ctctacatcc tggacaacaa ggcccagacc ttcgggagtc tgatgccaga tgtgtaccag gctgtgtgtg
2501  aaggaacctg gaatctctga ggccgcccag tatactctag agtcgacacc cggggaattc ctcgagcgct cgtctctagc ttggcgtaat catggtcata
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> RDC1240 Translated Insert Sequence

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101  lkfrrrlnkh ppetfvdale rgalawpdrv alvctgsegs sitnsqldar scqaawvlka klkdaviqnt rdaaailvlp sktisalsvf lglaklcpv
201  awinphsrgrm plhsvrsgg asvliwdpdl qenleevlpk llaenihcfy lghssptpgv ealgasldaa psdpvpaslr atikwkspai fiftsgttgl
301  pkpailsher viqvsnvlsf cgraddvvy dvlplyhtig lvgflgclq vgateclapk fsasrfwaec rqhgvvtvily vgeilrylcn vpeqpedkih
401  tvrlamngnl ranvwnfkqg rfgpiriwef ygstegnvgi mnyvghcgav grtscilrml tpfelvgfdi etaepldrkd gfcipvepgk pgl11tkvrk
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601  apgktdfgqk lyqhvrswlp ayatphfiri qdsleitnty klvksrlvre gfdvgiiadp lyildnkaqt frslmpdvlyq avcegtwnl
```