

Specifications:

Gene:	hFATP1
Accession:	NP_940982
Insert size:	1954bp
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.

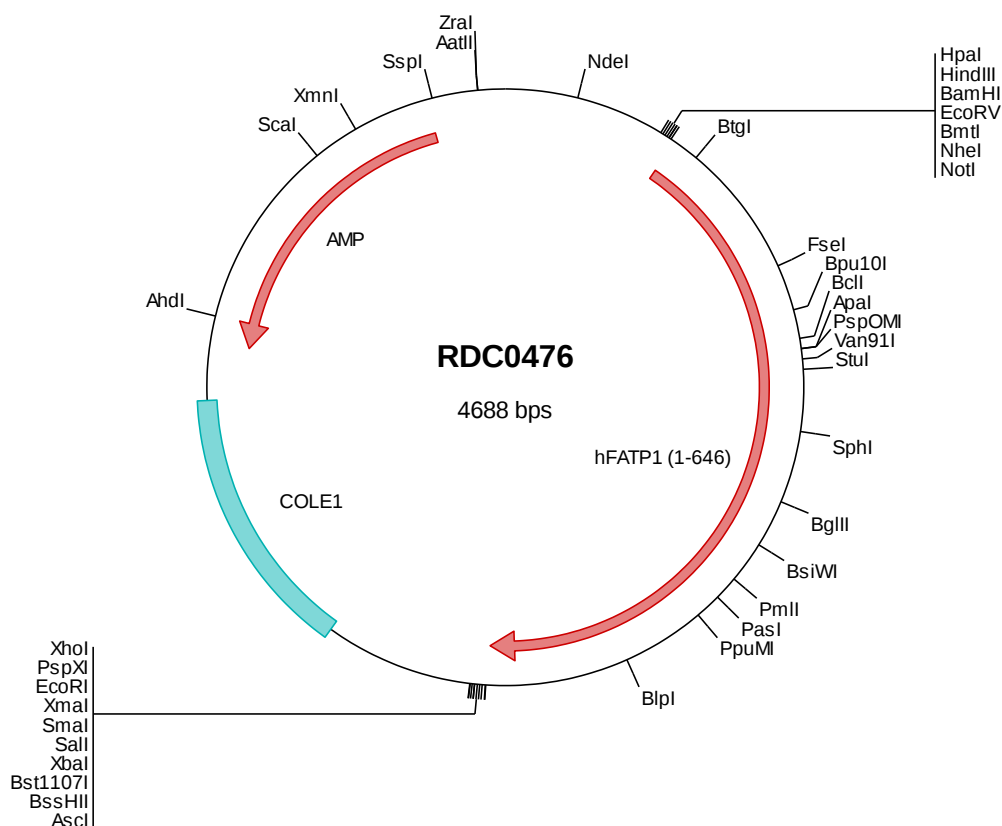
hFATP1 cDNA Plasmid

SLC27A1 solute carrier family 27 (fatty acid transporter), member 1
[*Homo sapiens*]

Also known as: FATP; FATP1; ACSVL5

Summary:

FATP1 is involved in translocation of long-chain fatty acids (LCFA) across the plasma membrane. The LCFA import appears to be hormone-regulated in a tissue-specific manner. The highest levels of expression are detected in muscle and adipose tissue. FATP1 plays a role in regulating available LCFA substrates from exogenous sources in tissues undergoing high levels of beta-oxidation or triglyceride synthesis.





> RDC0476 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101  tcaggggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtttggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaatccgata tcgctagcgc ggccgcacac atgcccggctc cagggtgcggg cgcggcctcg gtggtctcgc tggcgtgtt
501  gtggctgctg gggctgcctg ggacctggag cgcggcagcg ggcctcggcg tgaactgggg cagcggcgcc tggcgcttcc tgcgcacgtc ctgcaagacc
601  gcgaggcgag acctctctcg tctctctgtg ctgacccgcg tgcgcctgga gctgcggcgg caccagcgtg ccggccacac catcccgccg atcttcaagg
701  gggtagtgcg gcgacagccc gagcgcctgg cgcctggtga tgccgggacc ggcgagtgtc ggacctttgc gcagctggac gcctactcca atgcggtagc
801  caacctcttc cgcagcgtg gcttcgcgcc gggcgacgtg gtggccatct tcttgaggg ccggccggag ttcgtggggc tgtggtcggg cctggccaag
901  gcgggcatgg aggcgcgcct gctcaacgtg aaactgcggc gogagccctt ggcctctcgc ctgggcaact cgggcgctaa ggcctgac tcgtgaggag
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2401 agtatactct agagtgcaca ccgggggaat tctctgagcg ctgctctcta gcttggcgta atcatggtca tagctgttcc ctgtgtgaaa ttgttatccg
2501 ctcacaaatt cacacaacat acgagccgga agcataaagt gtaaagcctg ggggtgcctaa tgagtgcgt aactcacatt aattgcgttg cgtcactgct
2601 cgcgtttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcgcc caacgcggcg ggagagggcg tttgcgtatt gggcgctctt ccgcttctcc
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> RDC0476 Translated Insert Sequence

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201  ikfcsdqldg egilpdthll dpllkeasta plaqigpskm ddrlyfiyts gttglpkaa vhsryyрма afghhayrmq aadvlydclp lyhsagniiig
301  vgqcliyglt vvlrkkfsas rfwddcikyn ctvvqyigei cryllkqpv eaerrhrvrl avngnlrpa weefterfgv rqigefygat ecncsianmd
401  gkvyscgfns rilphvypir lkvnedtme llrdaqglci pcqagepgll vgqinqdpl rrfdyvses atskkiahsv fskgdsayls gdlvmdelg
501  ymyfrdrsgd tfrwrngvns ttevegvlsr llgqtdvavy gvavpgvegk agmaavadph slldpnaiyq elqkvlapya rpifirllpq vdtgtgfkiq
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```