

### Specifications:

Gene:	hFATP6
Accession:	NP_054750
Insert size:	1872bp
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.

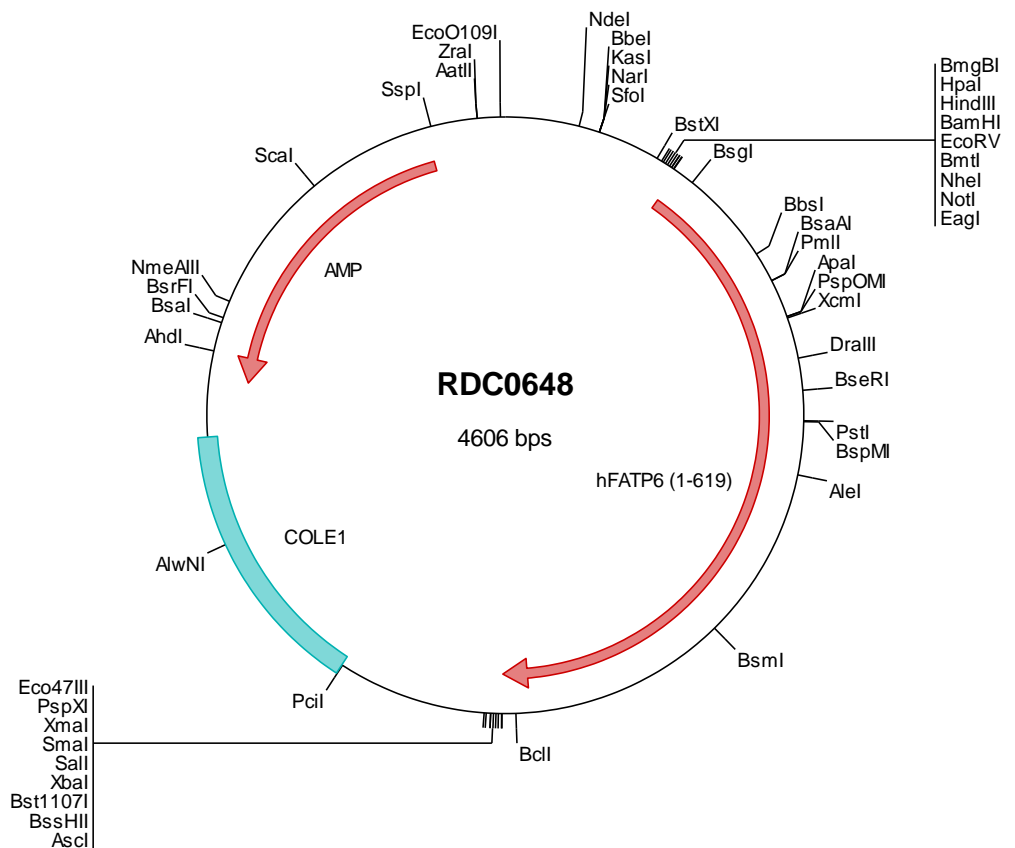
## hFATP6 cDNA Plasmid

**SLC27A6 solute carrier family 27 (fatty acid transporter), member 6 [ *Homo sapiens* (human) ]**

**Also known as:** ACSVL2; FACVL2; VLCS-H1

### Summary:

FATP6 is a member of the fatty acid transport protein family (FATP). FATP6 is expressed in the heart where it is the predominant FATP family member. It is exclusively located on the sarcolemma in areas juxtaposed with small blood vessels where it colocalizes with CD36. FATP6 is involved in translocation of long-chain fatty acids across the plasma membrane.





> RDC0648 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggta cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgcattt caggctgccc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taagccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tcgctagcgc gggcgcacc atgtctctgt catggctaac agttctaggg gctggaatgg tcgtctgca
501 cttcttgcag aaactcctgt tcocctactt ttgggatgac ttctgggttg tttgaaaggt ggtgctcoatt ataattcggc tgaagaagta tgaagaagaga
601 ggggagctgg tgactgtgct ggataaatc ttgagtcctg ccaaagaca acctcggaaa cctttcatca tctatgaggg agacatctac acctatcagg
701 atgtagacaa aaggagcagc agagtggccc atgtcttctc gaaccattcc tctctgaaaa agggggacac ggtggctctg ctgatgagca atgagccgga
801 cttctgttca cctgtgtctg gcctgcgcaa gctgggctgc gtgggtgccc ttctcaacac caacattcgc tccaactccc tccgtaattg catccggccc
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2401 gtgtgaaatt gttatccgct cacaattcca cacaacatc gagccggaag cataaagtgt aaagcctggg gtgcctaag agtgagctaa ctacattaa
2501 ttgcgttggc ctcaactgcc gctttccagt cgggaaacct gtctgtccag ctgcattaat gaatcggcca acgcgcgggg agagggcgggt tgcgtattgg
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2701 gaatcagggg ataacgcagg aaagaacatg tgagcaaaaag gccagcaaaa ggccaggaac cgtaaaaaag ccgctgttct ggcgtttttc catagctcc
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3001 ctcaagttcg ttaggtcgt tcgctccaag ctgggctgtg tgcaagaaac cccctgtcag cccgaccgct gcgcttctc cggtaaactat cgtcttgagt
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4501 ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg tctaagaaac cattattatc atgacattaa cctataaaaa taggcgtatc acgaggccct
4601 ttcgct

> RDC0648 Translated Insert Sequence

1 mllswltvlg agmvvlhflq kllfpyfwd ffwvlkvvli iirlkkyekr gelvtvldkf lshakrprk pfiiyegdiy tyqdvdkrss rvahvflnhs
101 slkkgdval lmsnepdfvh vwflgklgc vvaflntnir snllncira cgrpralvga dllgtveel pslenisvw gmkdsvpgv islkeklsts
201 pdepvprshh vvsllkstcl yiftsgttgl pkaavisqlq vlrgsavlwa fgctahdivy itlplyhssa ailgisgve lgtcvlkkk fsasqfwsdc
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501 gmldfiqean vygvaisyge gragmasiil kpnstsdlek vyeqvvtflp ayacprfiri qekmeatgtf kllkhqlved gfnplkisep lyfmdnlkks
601 yvlltrelyd qimlgeikl