

Specifications:

Gene:	<i>hFATP4</i>
Accession:	NP_005085
Insert size:	1945bp
Concentration:	10µg at 0.2µg/µL

hFATP4 cDNA Plasmid

SLC27A4 solute carrier family 27 (fatty acid transporter), member 4
[*Homo sapiens* (human)]

Also known as: SLC27A4; IPS;
ACSVL4

Summary:

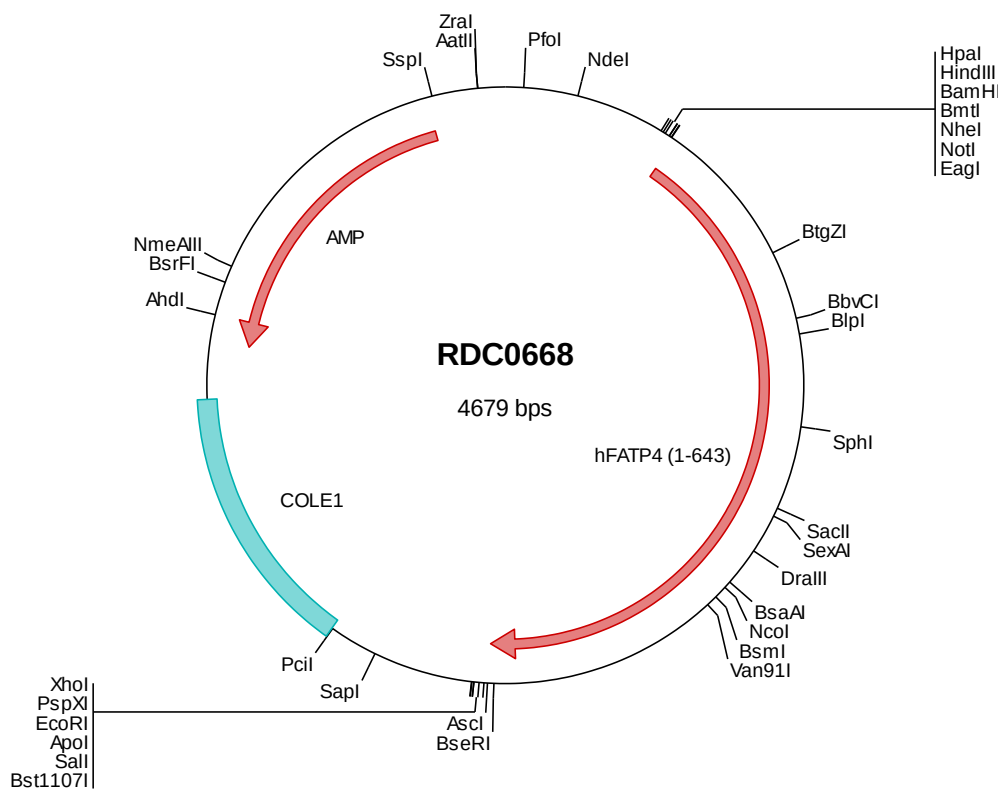
FATP4 is a member of a family of fatty acid transport proteins, which are involved in translocation of long-chain fatty acids across the plasma membrane. It is expressed at high levels on mature enterocytes in the small intestine where it is the principal fatty acid transporter. FATP4 may play a role in insulin resistance syndrome. Mutations in FATP4 have also been associated with ichthyosis prematurity syndrome.

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



> RDC0668 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaggg ggaatgtctg caaggcgatt aagtgggta acgcagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tctgtagcgc ggcgcgcacc atgtctgttg gagcctctct ggtgggggtg ctgctgttct ccaagctggt
501  gctgaaactg cctcggaacc aggtgggatt ctccctgttg tctcttact tgggatctgg cggctggcgc ttcattccgg tcttactcaa gacctcagg
601  cgcgatatct ttggcggcct ggtctctctg aaggtgaagg caaaggtgcg acagtgcctg caggagcggc ggacagtgc cttttgtttt gctctaccg
701  ttccggcgcca ccccgacaag acggccctga tcttcgaggg cacagatacc cactggacct tccgcagctt ggatgagtac tcaagcagtg tagccaactt
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> RDC0668 Translated Insert Sequence

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201  fcsgswepga vppstehldp llkdapkhlp scpdkgftdk lfyytsgtt glpkaaivvh sryyrmaalv yygfrmrpnd ivydcpliyh sagnivgigq
301  cllhgmtvvi rkkfsasrfw ddcikyncti vqyigelcry llngppreae nqhqvrmalg nglrqsitwn fssrfhipqv aefygatecn cslnfnfsqv
401  gacgfnsvil sfvypirlvr vnedtmelir gpdgvcipcy pgepgqlvgr iikqdprrf dgylnqgann kkiakdvfkk gdqayltgdv lvmdeylgyl
501  frdrtdtfr wkgenvstte vegtlslrld madvavygve vpgtegragm aavasptgnc dlerfaqvle kelplyarpi flrlpelhkh tgytkfqkte
601  lrkegfdpai vkdpflfylda qkgyrvpldq eaysriqage ekl
```