

Product datasheet for **RC221033A1V**

Human FATP2 (SLC27A2) (NM_003645) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human FATP2 (SLC27A2) (NM_003645) AAV Particle
Tag:	Myc-DDK
Symbol:	SLC27A2
Synonyms:	ACSVL1; FACVL1; FATP2; hFACVL1; HsT17226; VLACS; VLCS
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC221033 representing NM_003645
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCTTTCGCCATCTACACAGTCCTGGCGGGACTGCTGTTCTGCCGCTCCTGGTGAACCTCTGCTGCC
 CATACTTCTTCCAGGACATAGGCTACTTCTTGAAGGTGGCCGCCGTGGCCGGAGGGTGCAGCTACGG
 GAAGCGCGCGCCGGCGCGCACCATCTCGCGGCGTTCTGGAGAAAGCGCGCAGACGCCACACAAGCCT
 TTTCTGCTCTTCCGCGACGAGACTCTCACCTACGCGCAGGTGGACCGCGCAGCAATCAAGTGGCCCGG
 CGCTGCACGACCCTCGGCCTGCGCCAGGAGACTGCGTGGCGCTCCTATGGGTAACGAGCCGGCCTA
 CGTGTGGCTGTGGCTGGGCTGGTGAAGCTGGCTGTGCCATGGCGTGCCTCAATTACAACATCCGCGCG
 AAGTCCCTGCTGCACTGCTTCCAGTGTGCGGGCGAAGGTGCTGCTGGTGTGCCAGAACTACAAGCAG
 CTGTGGAAGAGATACTGCAAGCCTTAAAAAGATGATGTGTCCATCTATTATGTGAGCAGAACTCTAA
 CACAGATGGGATTGACTCTTTCCTGGACAAAGTGGATGAAGTATCAACTGAACCTATCCAGAGTCATGG
 AGGTCTGAAGTCACTTTTCCACTCCTGCCTTATACATTATACTTCTGGAACCCAGGTCTTCCAAAAG
 CAGCCATGATCACTCATCAGCGCATATGGTATGGAAGTGGCCTCACTTTTGAAGCGGATTGAAGGCAGA
 TGATGTCATCTATCACTCTGCCCTTTTACCACAGTGTGCACTACTGATTGGCATTACCGGATGTATT
 GTGGCTGGTGTACTCTTGCCTTGCAGGACTAAATTTTACGCCAGCCAGTTTGGGATGACTGCAGAAAAT
 ACAACGTCACTGTCATTCACTATATCGGTGAAGTGTCTCGGTATTTATGCAACTCACCACAGAAACCAA
 TGACCGTGATCATAAAGTGAGACTGGCACTGGGAAATGGCTTACGAGGAGATGTGTGGAGACAATTTGTC
 AAGAGATTTGGGACATATGCATCTATGAGTTCTATGCTGCCACTGAAGGCAATATTGGATTTATGAATT
 ATGCGAGAAAAGTTGGTGTGTTGGAAGAGTAACTACCTACAGAAAAAATCATACTTATGACCTGAT
 TAAATATGATGTGGAGAAAGATGAACCTGTCCGTGATGAAAATGGATATTGCGTCAGAGTTCCCAAAGGT
 GAAGTTGGACTTCTGTTTGCAAAATCACAACTTACACCATTTAATGGCTATGCTGGAGCAAAGGCTC
 AGACAGAGAAGAAAAAAGTGAAGATGTCTTAAAGAAAGGAGACCTCTATTTCAACAGTGGAGATCTCTT
 AATGGTTGACCATGAAAATTTTCTATTTTCCACGACAGAGTTGGAGATACATTCCGGTGAAAGGGGAA
 AATGTGGCCACCACTGAAGTTGCTGATACAGTTGGACTGGTGGATTTTGTCCAAGAAAGTAAATGTTTATG
 GAGTGCATGTGCCAGATCATGAGGTCGCATTGGCATGGCCTCCATCAAATGAAAGAAAACCATGAATT
 TGATGGAAGAAACTCTTTCAGCACATTGCTGATTACCTACCTAGTTATGCAAGGCCCGGTTTCTAAGA
 ATACAGGACACCATGAGATCACTGGAACCTTTTAAACACCGCAAAATGACCTGGTGGAGGAGGGCTTTA
 ACCCTGCTGTCATCAAAGATGCCTTGTATTTCTTGGATGACACAGCAAAATGTATGTGCCTATGACTGA
 GGACATCTATAATGCCATAAGTCTAAAACCTGAAACTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MLSAIYTVLAGLLFLPLLVLNCCPYFFQDIGYFLKVAAVGRRVRSYGKRRPARTILRAFLEKARQTPHKP
 FLLFRDETLTYAQVDRRSNQVARALHDHLGLRQGDVALLMGNEPAYVWLWGLVKGACAMACLNYNIRA
 KSLHCFQCCGAKVLLVSPQLQAAVEEILPSLKKDDVSIYYVSRSTNTDGIDSFLDKVDDEVSTPIPEW
 RSEVTFSTPALYIYTSGTTGLPKAAMITHQRIWYGTGLTFVSLKADDVIYITLPHYSAALLIGIHGCI
 VAGATLALRTKFSASQFWDCKRYNVTVIQYIGELLRYLCNSPQKPNDRDHKVRLLGNGLRGDVWRQFV
 KRFGDICIYEFYAATEGNIGFMNYARKVGAVGRVNYLQKKIITYDLIKYDVEKDEPVRDENGVCVRVPKG
 EVGLLVCKITQLTPFNGYAGAKAQTEKKLRDVFKKGDLYFNSGDLMLVDHENFIYFHDRVGDTRFWKGE
 NVATTEVADTVGLVDFVQEVNYYGVHVPDHEGRIGMASIKMKENHEFDGKKLFQHIADYLPYARPRFLR
 IQDTIEITGTGFKHRKMTLVEEGFNPAVTKDALYFLDDAKMYVPMTEDIYNAISAKTLKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_003645
ORF Size:	1860 bp
Buffer:	PBS with 0.001% Pluronic F8275
Stability:	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
RefSeq:	<u>NM_003645.2</u>
RefSeq Size:	2343 bp
RefSeq ORF:	1863 bp
Locus ID:	11001
UniProt ID:	<u>O14975</u>
Cytogenetics:	15q21.2
MW:	70.1 kDa