

Product datasheet for **RC205213A1V**

Human Monocarboxylic acid transporter 1 (SLC16A1) (NM_003051) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Monocarboxylic acid transporter 1 (SLC16A1) (NM_003051) AAV Particle
Tag:	Myc-DDK
Symbol:	Monocarboxylic acid transporter 1
Synonyms:	HHF7; MCT; MCT1; MCT1D
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC205213 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGCCACCAGCAGTTGGAGGTCCAGTTGGATACACCCCCCAGATGGAGGCTGGGGCTGGGCAGTGGTAA
 TTGGAGCTTTTCATTTCCATCGGCTTCTCTTATGCATTTCCCAAATCAATTACTGTCTTCTCAAAGAGAT
 TGAAGGTATATCCATGCCACCACCAGCGAAGTGTATGGATATCCTCCATAATGTTGGCTGTATGTAT
 GGTGGAGGTCTATCAGCAGTATCCTGGTGAATAAATATGGAAGTCGTATAGTCATGATTGTTGGTGGCT
 GCTTGTGAGGCTGTGGCTTGATTGCAGCTTCTTTCTGTAACACCGTACAGCACTATACGCTGTATTGG
 AGTCATTGGAGGTCTTGGGCTTGCTTCAACTTGAATCCAGCTCTGACCATGATTGGCAAGTATTTCTAC
 AAGAGGCGACCATTTGCCAACGACTGGCCATGGCAGGCAGCCCTGTGTTCTCTGTACTCTGGCGCCCC
 TCAATCAGGTTTTCTTCGGTATCTTTGGATGGAGAGGAAGCTTTCTAATTCTTGGGGCTTGCTACTAAA
 CTGCTGTGTTGCTGGAGCCCTCATGCGACCAATCGGGCCAAGCCAACCAAGGCAGGGAAGATAAGTCT
 AAAGCATCCCTTGAGAAAGCTGGAAAATCTGGTGTGAAAAAGATCTGCATGATGCAAAATACAGATCTTA
 TTGGAAGACACCTAAACAAGAGAAAACGATCAGTCTTCCAAACAATTAATCAGTTCCTGGACTTAACCTT
 ATTCACCCACAGAGGCTTTTTGCTATACCTCTCTGAAATGTGATCATGTTTTTGGACTCTTTGCACCT
 TTGGTGTCTTCTAGTAGTTATGGAAGAGTCAGCATTATTCTAGTGAGAAGTCTGCCTTCCTTCTTTCCA
 TTCTGGCTTTTGTGACATGGTAGCCGACCATCTATGGGACTTGTAGCCAACACAAAGCCAATAAGACC
 TCGAATTCAGTATTTCTTGGGCTTCCGTTGTTGCAATGGAGTGTGCATATGCTAGCACCTTTATCC
 ACTACCTATGTTGATTCTGTGTCTATGCGGGATTCTTTGGATTGCTTCGGGTGGCTCAGTCCGAT
 TGTTTGAACATTGATGGACCTTGTTGGACCCAGAGGTTCTCCAGCGCTGTGGGATTGGTGACCATTTGT
 GGAATGCTGTCTGTCTCTGGGGCCACCCTTTTAGGTCGGCTCAATGACATGTATGGAGACTACAAA
 TACACATACTGGGCATGTGGCGTCGTCCTAATTATTTAGGTATCTATCTCTTATTGGCATGGGCATCA
 ATTATCGACTTTTGGAAAAGAACAGAAAGCAAACGAGCAGAAAAAGGAAAGTAAAGAGGAAGAGACCAG
 TATAGATGTTGCTGGGAAGCCAAATGAAGTTACCAAAGCAGCAGAATCTCCAGACCAGAAAGACACAGAT
 GGAGGGCCCAAGGAGGAGGAAAGTCCAGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205213 protein sequence
 Red=Cloning site Green=Tags(s)

MPPAVGGPVGYTPPDGGGWAVVIGAFISIGFSYAFPKSITVFFKEIEGIFHATTSEVSWISSIMLAVMY
 GGGPISSILVNKYGSRIVMIVGGCLSGCGLIAASFNTVQQLYVCIGVIGGLGLAFNLNLPALTMIGKYFY
 KRRPLANGLAMAGSPVFLCTLAPLNQVFFGIFGWRGSFLILGGLLNCCVAGALMRPIGPKPTKAGKDKS
 KASLEKAGKSGVKKDLHDANTDLIGRHPKQEKRSVFQTNQFLDLTLFTHRGFLLYL SGNVIMFFGLFAP
 LVFLSSYGKSQHYSEKSAFLLSILAFVDMVARPSMGLVANTKPIRPRIQYFFAASVVANGVCHMLAPLS
 TTYVGFCVYAGFFGFAFWLSSVLFETLMDLVGPQRFSSAVGLVTIVECCPVLLGPPLLGRNDMYGDYK
 YTYWACGVVLIIISGIYLFIMGINYRLLAKEQKANEQKESKEEETSIDVAGKPNEVTKAESPQKQD
 TGGPKEEESPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_003051

ORF Size:

1500 bp

Buffer:	PBS with 0.001% Pluronic F68
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_003051.3</u>
RefSeq Size:	3927 bp
RefSeq ORF:	1503 bp
Locus ID:	6566
UniProt ID:	<u>P53985</u>
Cytogenetics:	1p13.2
MW:	53.9 kDa