

Product datasheet for **RC205219A1V**

Human SLC40A1 (NM_014585) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SLC40A1 (NM_014585) AAV Particle
Tag:	Myc-DDK
Symbol:	SLC40A1
Synonyms:	FPN1; HFE4; IREG1; MST079; MSTP079; MTP1; SLC11A3
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC205219 representing NM_014585
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGACCAGGGCGGGAGATCACAACCGCCAGAGAGGATGCTGTGGATCCTTGGCCGACTACCTGACCTCTG
 CAAAATTCCTTCTCTACCTTGGTCATTCTCTCTACTTGGGAGATCGGATGTGGCACTTTGCGGTGTC
 TGTGTTTCTGGTAGAGCTCTATGGAAACAGCCTCCTTTTGACAGCAGTCTACGGGCTGGTGGTGAGGG
 TCTGTTCTGGTCTGGGAGCCATCATCGGTGACTGGGTGGACAAGAATGCTAGACTTAAAGTGGCCAGAG
 CCTCGCTGGTGGTACAGAATGTTTCAGTCATCCTGTGTGAATCATCCTGATGATGGTTTTCTTACATAA
 ACATGAGCTTCTGACCATGTACCATGGATGGGTTCTCACTTCTGCTATATCCTGATCATCACTATTGCA
 AATATTGCAAATTTGGCCAGTACTGCTACTGCAATCACAATCCAAAGGGATTGGATTGTTGTTGTTGCAG
 GAGAAGACAGAAGCAAATAGCAAATATGAATGCCACAATACGAAGGATTGACCAGTTAACCAACATCTT
 AGCCCCCATGGCTGTTGGCCAGATTATGACATTTGGCTCCCCAGTCATCGGCTGTGGCTTTATTTTCGGGA
 TGGAATTGGTATCCATGTGCGTGGAGTACGTTCTGCTCTGGAAGGTTTACCAGAAAACCCAGCTCTAG
 CTGTGAAAGCTGGTCTTAAAGAAGAGGAACTGAATTGAAACAGCTGAATTTACACAAAGATACTGAGCC
 AAAACCCCTGGAGGGAATCATCTAATGGGTGTGAAAGACTCTAACATCCATGAGCTTGAACATGAGCAA
 GAGCCTACTTGTGCTCCCGATGGCTGAGCCCTTCGTACCTTCCGAGATGGATGGGCTCCTACTACA
 ACCAGCCTGTGTTTCTGGCTGGCATGGGCTTGGCTTCTCTTTATATGACTGTCTGGGCTTTGACTGCAT
 CACCACAGGACGCTACACTCAGGAGTGGTGGTTCATCCTCAGTATTTGATGGGAGCATCAGCT
 ATAAGTGAATAATGGGAAGTGTAGCTTTTACTTGGCTACGTCGAAAATGTGGTTGGTTCGGACAGGTC
 TGATCTCAGGATTGGCACAGCTTCTGTTGATCTTGTGTGATCTCTGTATTCATGCCTGGAAGCCC
 CCTGGACTTGTCCGTTTCTCCTTTTGAAGATATCCGATCAAGGTTTCAATCAAGGAGAGTCAATTACACCT
 ACCAAGATACCTGAAATTACAAGTAAATATACATGTCTAATGGGTCTAATTCTGCTAATATTGTCCCGG
 AGACAAGTCTGAATCTGTGCCATAATCTCTGTGAGTCTGCTGTTTGCAGGCGTCATTGCTGCTAGAAT
 CGGTCTTTGGTCTTTGATTTAACTGTGACACAGTTGCTGCAAGAAAATGTAATTGAATCTGAAAGAGGC
 ATTATAAATGGTGTACAGAACTCCATGAAGTATCTTCTGATCTTCTGCATTTTCATCATGGTCATCCTGG
 CTCAAATCCTGAAGCTTTTGGCTTGTGCTGATTGATTTAGTCTCCTTTGTGGCAATGGGCCACATTAT
 GTATTTCCGATTTGCCAAAATACTCTGGGAAACAAGCTTTTGTGCTGCGGTCTGATGCAAAAGAAGTT
 AGGAAGGAAAATCAAGCAAATACATCTGTTGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MTRAGDHNQRGCGSLADYLTSAKFLLYLGHSLSTWGDMMWHFAVSFVFLVELYGNLLLLTAVYGLVVAG
 SVLVLGAIIGDWVDKNARKVAQTSVVQNVSVILCGIILMMVFLHKHELLTMYHGWVLTSCYILITIA
 NIANLASTATAITIQRDWIVVVAGEDRSKLANMNATIRRIDQLTNILAPMAVGQIMTFGSPVIGCGFISG
 WNLVSMCVEYVLLWKVYQKTPALAVKAGLKEEETELKQLNLHKDTEPKPLEGTHLMGVKDSNIHELEHEQ
 EPTCASQMAEPFRTFRDGWVSYYNQPVFLAGMGLAFLYMTVLGFDCITTYAYTQGLSGSILSILMGASA
 ITGIMGTVAFTWLRKCGLVRTGLISGLAQLSCLILCVISVFMGPSPLDLVSPFEDIRSRFIQGESITP
 TKIPEITTEIYMSNGSNSANIVPETSPEVPIISVLLFAGVIAARIGLWSFDLTVTQLQENVIESERG
 IINGVQNSMNYLLDLHFIMVILAPNPEAFGLLVLSVSFVAMGHIMYFRFAQNTLGNKLFACGPDAKEV
 RKENQANTSVV

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_014585
ORF Size:	1713 bp
Buffer:	PBS with 0.001% Pluronic F5658
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_014585.3</u>
RefSeq Size:	3460 bp
RefSeq ORF:	1716 bp
Locus ID:	30061
UniProt ID:	<u>Q9NP59</u>
Cytogenetics:	2q32.2
MW:	62.4 kDa