

Product datasheet for **RC230139A1V**

Human MFSD1 (NM_001167903) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human MFSD1 (NM_001167903) AAV Particle
Tag:	Myc-DDK
Symbol:	MFSD1
Synonyms:	Minerva; SMAP4
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC230139 representing NM_001167903
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCGTGGCCCTGCGTGACCTGCCGGGCGTCACGTGAGCTCCCGAGTCATGTGACCGCCGCTTGA
 CAGTGTTCCACGGGCGCTGCTTCTGCCTGGGTTTGGAGTTGTACCACTTTCCCTCTCCGTCTCCTGC
 GGGCGCAATGGAGGAGGAGGATGAGGAAGCGCGGGCGCTCTGGCAGGCGGCCCTGACGAGGCCGACAGA
 GGTGCCCCGGCGCCCTGGAGCCCTGCCGGCCCTCTGCGACCCAGTCGCTGGCGACCGGCTTTTGG
 TGCTGTTACTGATGTGCTTCTTGGCTTTGCTATTTTTGCTATGATAATCCTGCTGCCCTCAGACTCAA
 GTTAAACGAATGGGCGACAATCATTTTTAGCTGCTTTGTTTGCATTGGACAGGTTGTTTTGCCCTGGGT
 GGAATATTTAATGCTTTTTGGCTGATGGAATTTGGAAGATTTGATTTGGGATTGGTGGCGAGTCCTTAG
 CAGTTGCCAGAATACATATGCTGTGAGCTGGTTAAAGGCAAAGAATTAACCTGGTGTGGACTTCA
 ACTTAGCATGGCTAGAATTGGAAGTACAGTAAACATGAACCTCATGGGATGGCTGTATTCTAAGATTGAA
 GCTTTGTTAGGTTCTGCTGGTCACACAACCTCGGGATCACACTTATGATTGGGGGTATAACGTGTATTC
 TTTCACTAATCTGTGCCTTGGCTCTTGCTACTTGGATCAGAGAGCAGAGAGAATCCTTCATAAAGAACA
 AGGAAAAACAGGTGAAGTTATTAATAAATACTGATGTAAAGGACTTCTCCTTACCCTGTGGCTTATATT
 ATCATCTGTGCTGCTATTATGTTGCTGTGTTCCCTTTTATTGGACTTGGGAAAGTTTTCTTTACAGAGA
 AATTTGGATTTTCTTCCAGGCGAGCAAGTGAATTAACAGTGTGTATATGTCATATCAGCTCCCATGTC
 CCCGGTGTGGGCTCCTGGTGGATAAAACAGGGAAGAATCATCTGGGTTCTTGGCAGTAGCAGCC
 ACTCTTGTGTCCACATGATGCTGGCCTTACGATGTGGAACCTTGGATTGCTATGTGCTTCTGGGAC
 TCTCCTACTCATTGCTTGCTGTGCATTGTGGCAATGGTGGCATTGTAGTTCTGAACATCAGCTGGG
 AACTGCATATGGCTTCATGCAGTCCATTAGAATCCTGGGTGGCCATCATTTCCATCATTGCTGGTATG
 ATACTGGATTCTCGGGGTATTTGTTTTGGAAGTGTCTTCATTGCCTGTGTTCTTTGTCACTTTTAT
 CTGTGGTCTTACTCTATTTGGTGAATCGTGCCAGGTGGGAACCTAAATTATTCTGCAAGACAAAGGGA
 AGAAATAAAATTTCCCATCTGAA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230139 representing NM_001167903
 Red=Cloning site Green=Tags(s)

MGVALRDLPGRHVSSRSHTAVLTVFHGRCLPGFGVTTFPSPSPAGAMEEEDDEARALLAGGPDEADR
 GAPAAPGALPALCDPSRLAHRLLVLLLMCFLGFAIFAMIILLPFRLKLNEWGTIIFSCFVCIGQVVFALG
 GIFNAFWLMEFGRFVFGIGGESLAVAQNTYAVSWFKGKELNLVFGLQLSMARIGSTVNMNLMGWLYSKIE
 ALLGSAGHTTLGITLMIGGITCILSLICALALAYLDQRAERILHKEQKGTGEVIKLTVDKDFSLPLWLIF
 IICVCYVAVFPFIIGLKVFFTEKFGFSSQAASAINSVVYVISAPMSPVFGLLVDKTKGNIWVLCVAA
 TLVSHMMLAFTMWNPIAMCLLGLSYLLACALWPMVAFVVEHQLGTAYGFMQSIQNLGLAIISIIAGM
 ILDSRGYLFLEVFFIACVSLSLLSVLLLYLVNRAQGGNLYSARQREEIKFSHTE

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001167903

ORF Size:

1425 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_001167903.1</u> , <u>NP_001161375.1</u>
RefSeq ORF:	1281 bp
Locus ID:	64747
UniProt ID:	<u>Q9H3U5</u>
Cytogenetics:	3q25.32
MW:	52.1 kDa