

Product datasheet for **MR210400A1V**

Mouse Mfn1 (NM_024200) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Mfn1 (NM_024200) AAV Particle
Tag:	Myc-DDK
Symbol:	Mfn1
Synonyms:	2310002F04Rik; 6330416C07Rik; D3Ertd265e; HR2; mKIAA4032
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>MR210400 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAAACGGTATCTCCACTGAAGCACTTCGTGCTGGCAAAGAAAGCCATCACTGCAATCTTCGGCC
 AGTTACTGGAGTTTGTTACTGAGGGCTCACATTTTGTTGAAGCAACATACAGAAATCCAGAACTTGATCG
 AATAGCATCCGAGGATGATCTGGTGAAATACAGGGCTACAGAAACAAGCTTGCTGTCTATTGGGAGGTG
 CTGTCTCGGAGACATATGAAGGTGGCATTTCCTGGCAGGACAAGTAGTGGCAAGAGCTCTGTCAATG
 CAATGCTGTGGGATAAAGTCTCCCGAGCGGATTGGTCACACAACCAACTGCTTCCTGAGTGTGAGGG
 GACCGATGGAGATAAAGCCTACCTTATGACCGAAGGGTCAGATGAAAAGAAAAGTGTGAAGACTGTTAAT
 CAGCTGGCCCATGCCCTCCATATGGATAAAGACTTGAAAGCTGGCTGTCTTGTCATGTATTTGGCCCA
 AAGCAAAATGTCCCTCTTGAGAGATGACCTGGTTTTAGTAGACAGCCAGGTACAGATGTCAACACAGA
 GCTGGATATCTGGATTGATAAGTTTTGCCTTGATGCTGATGTCTTTGTTTGGTTGCAAACTCGGAATCA
 ACACTGATGAACACGGAGAAACATTTTTCCATAAGGTGAATGAGCGGCTCTCCAAGCCCAACATCTTCA
 TTCTGAATAACGGTTGGGATGCTTCTGCTTCGGAGCCGGAGTACATGGAGGATGTGCGCAGACAGACAT
 GGAGAGATGTCTTCACTTCTTGGTAGAAGAGCTCAAGGTTGTAAGTCCGTGCGAAGCTCGGAATCGGATC
 TTTTTTGTTCAGCCAAGGAAGTTCTCAACTCCAGAAAGCATAAAGCTCAGGGGATGCCAGAAGTGGTG
 GGGCACTTGCAGAAGGATTTCAAGCAAGATTACAGGAGTTTCAAAATTTGAACAAACTTTTGAGGAGTG
 TATCTCGCAGTCAGCAGTGAAAACAAAGTTTGAACAGCACACTATCAGAGCTAAACAGATACTAGACACT
 GTGAAAAACATACTGGACTCAGTAAACGTGGCAGCAGCAGAGAAGAGGGTTTATTCAATGGAAGAGAGGG
 AAGACCAATCGATAGACTGGACTTTATCCGAAACCAGATGAACCTTTTAACACTGGATGTTAAGAAGAA
 GATCAAGGAGGTACGGAGGAGGTGGCAACAAGGTTTCTTGTGCAATGACAGATGAAATTTGTCGACTA
 TCTGTTTTGGTTGATGAGTTTTGTTCTGAGTTTCATCCTACCCCAAGTGTACTGAAAGTGATAAGAGTG
 AGTTAAATAAGCACATAGAAGATGGCATGGGAAGAAATTTGGCTGATCGGTGTACCAATGAAGTCAATGC
 CTCCATTCTTCAATCTCAGCAAGAAATCATCGAAACTGAAGCCACTACTTCCAGCTGGTATACAGAAT
 AAACCTCATACTTAATCCCTTGCAAAAAGTTTGACCTCAGCTATGATCTCAATTGCCACAAGCTGTGTT
 CGGATTTTCAAGAGGACATTGTGTTTCGGTTTTCCCTGGGCTGGTCTTCCCTGTACATCGATTCTGGG
 TTCCACAAATGCACAGAGGGTGCTGCTCGGGCTGTGAGAGCCATCTTTCAGGTCCTTAGATCTTTAGCT
 TCAACTCCTACTGCTCCTTCTAACCAGCAGCCCCGGATAATGCAGCCAGGAGGAGCTCATGATCACCC
 TGATCACAGGATTGGCGTCCCTCACGTCGAGAACCTCCATGGGCATCATCGTTGTTGGGGCGTGATTTG
 GAAAACAGTGGGCTGGAACCTAATCTCTGTACCTTAAGTATGTACGGAGCTCTGTACCTTTATGAGAGG
 CTGACGTGGACGACCCGTGCGAAAGAGAGAGCGTTTAAGCAGCAGTTTGTAACTATGCAACTGAGAAGC
 TGCAGATGATTGTGAGCTTCACCAAGTGCAACTGCAGCCACCAAGTACAGCAAGAAATGGCCACTACTTT
 TGCTCGACTGTGCCAACAAGTTGATGTTACTCAGAAACATCTGGAAGAGGAAATGCAAGATTATCCAAA
 GAGATAGACCAACTGGAGAAAATACAGAACAACCTCAAAGCTCTTAAGAAATAAAGCTATTCAACTTGAAA
 GTGAGCTGGAGAATTTTCGAAGCAGTTTCTACACCCGAGCAGTGGAGAATCC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR210400 protein sequence Red=Cloning site Green=Tags(s) MAETVSPLKHFVLAKKAITAIFGQLLEFVTEGSHFVEATYRNPELDRIASEDDLVEIQGYRNKLAVIGEV LSRRHMKVAFFGRTSSGKSSVINAMLWDKVLPSGIGHTTNCFLSVEGTDGDKAYLMTGSDKKSQKTVN QLAHLHMDKDLKAGCLVHVFWPKAKCALLRDDLVLDSPGTDVTELDIWKFCLDADVFVLVANSES TLMNTEKHFFHKVNERLSKPNIFILNNRWDASASEPEYMEDVRRQHMERCLHFLVEELKVVSPSEARNRI FFVSAKEVLNSRKHKAAQGMPEGGALAEQFQARLQEFQNFQTFEECISQSAVKTKFEQHTIRAKQILD VKNILDSVNVAEAKRVYSMEEREDQIDRLDFIRNQMNLLTLDVKKKIKEVTEEVANKVSCAMTDEICRL SVLVDFECSEFHPTPSVLKVKYSELNKHIEDGMGRNLADRCTNEVNASILQSQQEIIENLKPLLPAGIQN KLHTLIPCKKFDLSYDLNCHKLCSDFQEDIVFRFSLGWSSLVHRFLGSTNAQVRLLGLSEPIFQVPRSLA STPTAPSNPAAPDNAAQEELMITLITGLASLTSRTSMGIIVVGGVIWKTVGWKLISVTLSEMYGALYLYER LTWTTTRAKERAFKQQFVNYATEKLQMIVSFTSANCSSHQVQEMATTFARLCQQVDVTQKHLEEEIARLSK EIDQLEKIQNSKLLRNKAIQLESELENFSKQFLHPSSGES TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Mouse
Serotype:	AAV-2
ACCN:	NM_024200
ORF Size:	2223 bp
Buffer:	PBS with 0.001% Pluronic F1491
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_024200.2, NP_077162.1</u>
RefSeq Size:	4531 bp
RefSeq ORF:	2226 bp
Locus ID:	67414
UniProt ID:	<u>Q811U4</u>
Cytogenetics:	3 15.75 cM
MW:	83.7 kDa