

Product datasheet for **RC202218A1V**

Human Mitofusin 2 (MFN2) (NM_014874) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Mitofusin 2 (MFN2) (NM_014874) AAV Particle
Tag:	Myc-DDK
Symbol:	MFN2
Synonyms:	CMT2A; CMT2A2; CMT2A2A; CMT2A2B; CPRP1; HMSN6A; HSG; MARF
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC202218 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCTGCTCTTCTCTCGATGCAACTCTATCGTCACAGTCAAGAAAAATAAGAGACACATGGCTGAGG
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GGCCTACATCCAGGAGAGCGCCACCTTCCTTGAAGACAGTACAGGAATGCAGAACTGGACCCCGTTACC
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CCAGCATGCCCCCACTGCCACAGGGCTCGCTCACCCAGGAGGAGTTCATGGTTTCCATGGTTACCGGCCT
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CCAAGGCCAAGGAGAGGGCTTCAAGCGCCAGTTTGTGGAGCATGCCAGCGAGAAGCTGCAGCTTGTGAT
CAGCTACACTGGCTCCAAGTGCAGCCACCAAGTCCAGCAGGAAGTGTCTGGGACCTTTGCTCATCTGTGT
CAGCAAGTTGACGTACCCGGGAGAACCTGGAGCAGGAAATGCCGCCATGAACAAGAAATGAGGTTT
TTGACTCACTTCAGAGCAAAGCAAAGCTGCTCAGGAATAAAGCCGTTGGTTGGACAGTGAGCTCAACAT
GTTACACACCAAGTACCTGCAGCCAGCAGA

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC202218 protein sequence Red=Cloning site Green=Tags(s) MSLLFSRCNSIVTVKKNKRHMAEVNASPLKHFVTAKKKINGIFEQLGAYIQESATFLEDTYRNAELDPVT TEEQVLDVKGYSKVRGISEVLARRHMKVAFFGRTSNGKSTVINAMLWDKVLPSGIGHTTNCFLRVEGTD GHEAFLATEGSEEKRSKATVNQLAHLHQDKQLHAGSLVSMWPNSKCPLLKDDLVLMDSPGIDVTTELD SWIDKFCLDADVFLVANSESTLMQTEKHFFHKVSRNLSPNIFILNNRWDASASEPEYMEEVRRQHMER CTSFLVDELGVVDRSQAGDRIFVSAKEVLNARIQKAQGMPEGGALAEQFQVRMFEFQNFERRFEECIS QSAVKTKFEQHTVRAKQIAEAVRLIMDSLHMAAREQQVYCEEMREERQDRLKFIDKQLELLAQDYKLRIK QITEEVERQVSTAMAEIRRLSVLVDDYQMDFFHPSPVVLKVYKNELHRHIEEGLGRNMSDRCSTAITNSL QTMQDDMIDGLKPLLPVSVRSQIDMLVPRQCFSLNYDLNCDKLCADFQEDIEFHSLGWMLVNRFLGPK NSRRALMGYNDQVQRPIPLTPANPSMPPLPQGSLTQEEFMVSMVTGLASLTSRTSMGILVGGVVKAVG WRLIALSFGLYGLLYVYERLTWTTKAKERAFKRQFVEHASEKLQLVISYTGSNCSHQVQQELSGTFAHLC QQVDVTRENLEQEIAMNKKIEVLDSLQSKAKLLRNKAGWLDSELNMFTHQYLQPSR TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_014874
ORF Size:	2271 bp
Buffer:	PBS with 0.001% Pluronic F5301
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_014874.2</u>
RefSeq Size:	4685 bp
RefSeq ORF:	2274 bp
Locus ID:	9927
UniProt ID:	<u>O95140</u>
Cytogenetics:	1p36.22
MW:	86.4 kDa