

Product datasheet for **RC215529A1V**

Human Dystrophin (DMD) (NM_004018) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Dystrophin (DMD) (NM_004018) AAV Particle
Tag:	Myc-DDK
Symbol:	DMD
Synonyms:	BMD; CMD3B; DXS142; DXS164; DXS206; DXS230; DXS239; DXS268; DXS269; DXS270; DXS272; MRX85
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC215529 representing NM_004018
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAGGGAACAGCTCAAAGGCCACGAGACTCAAACAACCTTGCTGGGACCATCCAAAATGACAGAGCTCT
 ACCAGTCTTTAGCTGACCTGAATAATGTGAGATTCTCAGCTTATAGGACTGCCATGAAACTCCGAAGACT
 GCAGAAGGCCCTTTGCTTGATCTCTTGAGCCTGTGAGCTGCATGTGATGCCTTGACCAGCACAACCTC
 AAGCAAAATGACCAGCCCATGGATATCTGCAGATTATTAATTGTTTGACCACTATTTATGACCGCTCG
 AGCAAGAGCACAACAATTTGGTCAACGTCCCTCTGCGTGGATATGTGTCTGAAGTGGCTGCTGAATGT
 TTATGATACGGGACGAACAGGGAGGATCCGTGCTCTGCTTTTAAACTGGCATCATTTCCCTGTGTAA
 GCACATTTGGAAGACAAGTACAGATACCTTTTCAAGCAAGTGGCAAGTTCAACAGGATTTTGAGCAGC
 GCAGGCTGGGCTCTCTGCTGATTTCTCAAAATTCAGACAGTTGGGTGAAGTTGCATCCTTTGG
 GGGCAGTAACATTGAGCAAGTGTCCGAGCTGCTTCAATTTGCTAATAATAAGCCAGAGATCGAAGCG
 GCCCTCTCTAGACTGGATGAGACTGGAACCCAGTCCATGGTGTGGCTGCCCGTCTGCACAGAGTGG
 CTGCTGCAGAAATGCCAAGCATCAGGCCAAATGTAACATCTGCAAGAGTGTCCAATCATTGGATTGAG
 GTACAGGAGTCTAAAGCACTTTAATTATGACATCTGCCAAAGCTGCTTTTTTCTGGTCGAGTTGCAAAA
 GGCCATAAAATGCACTATCCCATGGTGAATATTGCACTCCGACTACATCAGGAGAAGATGTTTCGAGACT
 TTGCCAAGGTAATAAAAAACAATTTTCAACCAAAAGGATTTTGCAGAGCATCCCCGAATGGGTACCT
 GCCAGTGCAGACTGTCTTAGAGGGGACAACATGGAACGCCTGCCTCGTCCCTCAGCTTTCACACGAT
 GATACTCATTACGCATTGAACATTATGCTAGCAGGCTAGCAGAAATGGAAAACAGCAATGGATCTTATC
 TAAATGATAGCATCTCTCCTAATGAGAGCATAGATGATGAACATTTGTTAATCCAGCATTACTGCCAAAG
 TTTGAACCAAGGACTCCCCCTGAGCCAGCCTCGTAGTCCTGCCAGATCTTGATTTCCTAGAGAGTGAG
 GAAAGAGGGGAGCTAGAGAGAATCCTAGCAGATCTTGAGGAAGAAAACAGGAATCTGCAAGCAGAAATATG
 ACCGTCTAAAGCAGCAGCACGAACATAAAGGCCTGTCCCACTGCCGTCCCTCCTGAAATGATGCCAC
 CTCTCCCAGAGTCCCCGGGATGCTGAGCTCATTGCTGAGGCCAAGCTACTGCGTCAACACAAAGGCCGC
 CTGGAAGCCAGGATGCAATCCTGGAAGACCACAATAAACAGCTGGAGTACAGTTACACAGGCTAAGGC
 AGCTGCTGGAGCAACCCAGGCAGAGGCCAAAGTGAATGGCACAACGGTGTCTCTCTCTACCTCTCT
 ACAGAGGTCCGACAGCAGTCAGCCTATGCTGCTCCGAGTGTTGGCAGTCAAACCTCGGACTCCATGGGT
 GAGGAAGATCTCTCAGTCTCCCGAGACACAAGCACAGGGTTAGAGGAGGTGATGGAGCAACTCAACA
 ACTCTTCCCTAGTTCAAGAGGACACAATGTAGGAAGTCTTTCCACATGGCAGATGATTGGGCAGAGC
 GATGGAGTCTTAGTATCAGTCATGACAGATGAAGAAGGAGCAGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215529 representing NM_004018
 Red=Cloning site Green=Tags(s)

MREQLKGHETQTTCDWHPKMTELYQSLADLNNVRFSAVRTAMKLRRLQKALCLDLLSLSAACDALDQHNL
 KQNDQPMIDILQIINCLTTIYDRLEQEHNNLVNPLCVDMLNLLNVYDTGRTGRIRVLSFKTGIIISLCK
 AHLEDKYRYLQKQVASTGFCQRRLLGLLLHDSIQIPRLGEVASFGGSNIEPSVRSCFQFANNKPEIEA
 ALFLDWMRLPQSMVWLPVLRVAAAEAKHQAKCNICKECPIIGFRYRSLKHFNYDICQSCFFSGRVAK
 GHKMHPMVEYCTPTTSGEDVDRFAKVLKNKFRTKRYFAKHPRMGYLPVQTVLEGDNMETPASSQLSHD
 DTHSRIEHYASRLAEMENSNGSYLNDISPNESIDDEHLLIQHYCQSLNQDSPLSQPRSPAQILISLESE
 ERGELERILADLEEENRNLQAEYDRLLKQHEHKGLSPLSPPEMMPTSPQSPRDAELIAEAKLLRQHKGR
 LEARMQILEDHNKQLESQHLRLQLLEQPQAEAKVNGTTVSSPSTSLQRSQSSQPMMLLRVVGSTSDSMG
 EEDLLSPPQDTSTGLEEVMEQLNNSFPSSRGHNVGSLFHMADDLGRAMESLVSVMTDEEGAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:	Human
Serotype:	AAV-2
ACCN:	NM_004018
ORF Size:	1866 bp
Buffer:	PBS with 0.001% Pluronic F7395
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_004018.1</u>
RefSeq Size:	4552 bp
RefSeq ORF:	1869 bp
Locus ID:	1756
UniProt ID:	<u>P11532</u>
Cytogenetics:	Xp21.2-p21.1
MW:	70.6 kDa