

Product datasheet for **RC218382A1V**

Human RBMY1D (NM_001006120) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human RBMY1D (NM_001006120) AAV Particle
Tag:	Myc-DDK
Symbol:	RBMY1D
Synonyms:	hRBMY; RBM1; RBM2; RBMY1A1; YRRM1; YRRM2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC218382 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001006120, the ORF clone is codon optimized for mammalian Expression.
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

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

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGC**C

ATGGTAGAGGCCGATCACCCAGGTAACTTTTTATAGGTGGATTGAATCGCGAAACAAATGAGAAGATGCTCAAGGCCGTTCGGCAAACACGGTCCATAAGTGAAGTGTGCTGATTAAGGATAGAACCAGCAAGTCCGCGGCTTCGCTTTTATTACCTTTGAGAATCCTGCAGATGCCAAGAACGCCGCTAAAGATATGAACGGTAAGTCCCTGCACGGGAAGGCCATTAAGGTGGAACAGGCAAAAAACCTAGCTTCCAGAGCGCGGACGCAAGCCAGCCCCAGCCAGTTCTCGCAACAGATCACCCAGTGGTTCTCTTAGGTGACGCGGGGTAGTCGAGGAGGTACAAGGGGATGGTTGCCCTCTCAGGAGGGCCATCTGGACGACGGCGGTTACACCCAGATCTGAAGATGAGTTATCCAGAGGCCTGATACCAAGTAAAAGAGGCCCTTCTCTCGCTCAGGGGGACCACCCCAAAGAAGTCCGCACCAAGCGCCGCTCGCTCGCAGCAATTCCTGGATGGGGAGTCAAGGGCCAATGTCACAGCCAGAGAGAATTACGGAGTGCCTCCTAGAAGAGCAACTATCTCCTCTTGGCGGAACGATAGAATGTCCACTCGGCATGATGGTTATGCCACCAATGACGGAAACACCCAGCTGCCAGGAAACAAGAGACTACGCACCACCTTCAAGAGGATATGCCCTACAGGGATAATGGTCACTCCAATAGAGATGAACACTTTCAGAGGCTACCGAAACCACCGGTCTTCAGGGAGACTCGAGACTACGCCCCCAAGCAGGGGACACGCATACCGGATTATGGCCACAGTAGACGAGACGAAAAGTTACTCTCGGGCTACCGGAACAGACGAGTTCTCGGAAACTAGAGAATATGCTCCGCCTTACAGAGTACGGGTATCGCGACTACGGTCATTCTCGCCGACATGAGTCATATCTAGGGTTACAGAAATCATCCTTCATCCCGCAGACAAGGGACTATGCCCCCCCATAGAGATTATGCTTATAGGGACTACGGCCATAGCAGCTGGGACGAGCAGCTCACGAGGCTACTCTTACCACGACGGGTATGGGAAGCACTGGGACGCGACCACTCAGAACATCTGAGCGGATCCAGTTATCGGGATGCATTCAGAGATATGGAACCTCCACGGCGCCCCCGCCGCGGCGCGCATGAGCTATGGGGCTCAACATGTCATGCCATTCCAATACCAGGGATCGCTACGGCAGGAGTTGGGAGAGCTATAGCTCATGTGGAGACTTTCCTACTGCGACAGAGAACCGTGTGTCGAAAAGATCAGCGGAACCCCGTCCCTGGGAGAGTGTCCCCGATCTTAGGGAGGCATCGGGAGTAGCAGCTACGTCGCCAGTATTGTTGACGGCGGGGAATCAAGGTCCGAAAAGGGGACAGCTCAAGATAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218382 representing NM_001006120
 Red=Cloning site Green=Tags(s)

MVEADHPGKLFIGGLNRETNEKMLKAVFGKHGPISEVLLIKDRTSKSRGFAFITFENPADAKNAAKDMNGKSLHGKAIKVEQAKKPSFQSGRRRPPASSRNRSPSGSLRSARGSRGGTRGWLPSQEGHLDDGGYTPDLKMSYSRGLIPVKRGPSSRSGPPPKKSAPSAVARSNSWMSQGPMSQRRENYGVPPRRATISSWRNDRMSTRHDGYATNDGNHPSCQETRDYAPPSRGYAYRDNGHSNRDEHSSRGRYRNHRSSRETDRYAPPSRGHAYRDYGHSRDESYSRGYRNRRSSRETREYAPPSRGGHYRDYGHSSRHEYSRGRYRNHPSSRETDRYAPPHRDYAYRDYGHSSWDEHSSRGSYHDGYGEALGRDHSEHLSGSSYRDALQRYGTSHGAPPARGPRMSYGGSTCHAYSNTRDRYGRSWESYSSCGDFHYCDREHVCRKQQRNPPSLGRVLPDPREACGSSSYVASIVDGGESRSEKGDSSRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001006120
ORF Size:	1488 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_001006120.2</u> , <u>NP_001006120.2</u>
RefSeq Size:	1921 bp
RefSeq ORF:	1491 bp
Locus ID:	378949
UniProt ID:	<u>POC7P1</u>
Cytogenetics:	Yq11.223
MW:	55.8 kDa