

Product datasheet for **MR223372A1V**

Mouse Rbak (NM_021326) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Rbak (NM_021326) AAV Particle
Tag:	Myc-DDK
Symbol:	Rbak
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>MR223372 representing NM_021326, codon optimized.
Due to the complexity of NM_021326, 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)

TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTAGAAGCAAGGGCCCTTTGAGCTTCAAAGATGTGGCCGTCGCCTTTTCTCAGGAGGAGTGGCAGC
AGCTCGATCCCGAAGAAAGAACTACCTATAGGGACGTGATGCTCGAGACATACAGCAATCTGGTGTCACT
CGGATACGACGTGACTAAGCCTAATATGATCATCAAATGGAGCAGGGCGAGGAACCTTGGACTGTCGAG
GGGACAGGCACGCGCAAAGACATCTCGAAATTAGCAAGGTCTACGACCCACGGGAAGGGATAGAAGAAA
TCGGAGAAAAGCACCTCCAGTGTGACGACGATCCCTACTGTTGGAGGGCTGAAAAGGGTGCCGCCTTCGA
CGAGGCCATATACCTGGAGACGGCCCTTATTTCCCTCCAGTGGCGCACATTCTGTGTCACTTGGCGT
GAGACACTGGAGAGCGTGAGTGAAGTATTAGCTCCGACGGGTCTTATGCTTTGAAAAGCCTAGCATGT
GCTTCGAGTGGCGAAGGCCATGGCGAGTCCCTGGAAGACTTCAACCAGGACGAAGGGAACCTATCACA
GCACGATGAAAATATCTCCAGAAAGTACCATCTTGGAAAAGCCTTTTGCCTATGAGTGTATGGAAGCA
CTGGATAGTGAGTCTGTGTTCTGTCGCGGGAGCGGGCATACATGGGCGAGAAGCCCTATGATTGGGGCG
ACTCAGGACCTGATTTTATTAGATGAGCGATTTTCAACCTACCCTAGGAGTCAAGTGAAGTGAAGC
TTTCGAATGCACTCAATGTGAAAGAGCTTTTGAAGAAAAGCAAGTTTATCATCCACGAGAGCTCAT
ACAGGAGAGAAGCCCTACGCTGTTCTGTCTGTGGAAAGTCTTTCTCTCAGAAGGGCACGCTGACCGTGC
ACCGCCGGAGCCATCTGGAGGAGAAGCCCTACAAGTGAATGAATGCGGCAAGACCTTCTGTCAAGACT
TCATTTGACGACGATCAGCGAACGCACAGTGGCGAGAAGCCTTACGAATGTTCAAGTGTGGTAAAAGC
TTCTGTCAAGAGCGACCTGACATTGCATCAGCGCAACCACTCCGGCGAGCGGCCCTACCCGTGAACG
AGTGGCGCAAGTCCTTCTCCGCAAGTCAAGCCCTCAACGACCATCAGAGAACACATACCGGCGAAAAGCT
CTACAAGTGAATGAGTGTGGCAAAAGTTATTATCGGAAAAGCACCTGATTACACACGAGCGGACTCAT
ACAGGCGAAAACCGTATCAGTGCAGCGAGTGTGTAATTTCTTCCAGAGTGTCTTATCTGACCATTC
ACTATAGAAGCCACCTGGAGGAGAAACCTACGAGTGCAGTGTGGCAAAACATTTAATCTGAAGTCT
CGCCTTTATCAGACACTGGAAGGTGCATGCCGAGGAAAGAGTGAAGAGTGGGAGAGTGTGGGAAACCC
TCCCTCTGAGTGGCACCTGATCATACTGGCGACCTCGGGGAAAACGGTATGAATGTAAAGAGTGGC
GAAAACATTCCTGGACTCCAGCGCTTTTACCAGCCATCAGTCACTCCCTGAGGGTGAGAAAACCTACGA
ATGCAACATATGTGGCAATCATTTAGTGATAGTGTCTATACAGTCCACTATAGGGGCCACTCCGAG
GAGAAGCCTTTTCGATGTTCTGAGTGTGGAAAACCTTCTCCATAACTCTTCTGTTCGACACACAGA
GGGTGCATACCGGGGAGAAGCCCTATGAGTGTACGAATGTGGCAAAATCTTCTCTCAGAAGAGTTATCT
GACAATACATACCGGATTACAGTGGGAGAAAGCCCTACGAGTGCAGTAAGTGGGTAAAGTGTTCAGC
CGAATGTCTAATCTGACGGTGCAGTACAGATCTCACTCCGAGAGAAAAGCCTTACGAGTGTAAAGAGTGG
GTAAAGTTTTTCACTCAGAAGAGCTATCTGACTGTCCACTACCGAACGCACTCAGGCGAAAAGCCATACGA
ATGTAACGAGTGTGGTAAAAGTTTACCATCGGTCTGCCTTTAATAGTCATCAGCGAATTCACAAGAGA
GGCACCGTTAACGTACTGACTGTTGAGAACTC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR223372 representing NM_021326 Red=Cloning site Green=Tags(s) MSRSKGPLSFKDVAVAFSQEEWQQLDPEERTTYRDVMLETYSNLVSVGYDVTKPNMIKLEQGEEPWTVE GDRHAQRHLEISKVYDPREGIEEIGEKHLQCDDDPYCWAEGAAAFDEAYTLETALISPSSGAHSCVSCG ETLESVSELISSDGSYALEKPSMCFECGKAYGESLEDFNQDEGNSSQHDENILQKVTILEKPFAYECMEA LDSESVFMARERAYMGEKPYDWGDSGPDFIQMSDFSTYPRSQMELKPFECTQCGKSFCKKSKFIIHQRAH TGEKPYACSVCGKSFSQKGTLTVHRRSHLEEKPYKCNECGKTFQCKLHLTQHQRTHSGEKPYESCEGKS FCQKTHLTQHQRNHSGERPYPCNECGKFSRKSALNDHQRTHTGEKLYKCNECGKSYRKSTLITHQRTH TGEKPYQCSECGKFFSRVSYLTIHYRSHLEEKPYECTECGKTFNLNSAFIRHWKVHAEERVQECGECGKP SPLQCAPDHTGDLGEKRYECNECGKTFDSSAFHRHQSVPGEKTYECNICGKSFSDSSCYTVHYRGHSE EKPFQCEGKTFSHNSSLFRHQRVHTGEKPYECYECGKFFSQKSYLTIHHRIHSGEKPYECSKCGKVFS RMSNLTVHYRSHSGEKPYESNECGKVFQKSYLTVHYRTHSGEKPYESNECGKFFHRSFNSHQRIHQR GTVNVLTVCKL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Mouse
Serotype:	AAV-2
ACCN:	NM_021326
ORF Size:	2133 bp
Buffer:	PBS with 0.001% Pluronic F3571
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_021326.3, NP_067301.1</u>
RefSeq Size:	3480 bp
RefSeq ORF:	2136 bp
Locus ID:	57782
UniProt ID:	<u>Q8BQC8</u>
Cytogenetics:	5 G2
MW:	81.7 kDa