

Product datasheet for **RC204823A1V**

Human MIRO2 (RHOT2) (NM_138769) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human MIRO2 (RHOT2) (NM_138769) AAV Particle
Tag:	Myc-DDK
Symbol:	RHOT2
Synonyms:	ARHT2; C16orf39; MIRO-2; MIRO2; RASL
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC204823 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAGGCGGGACGTGCGCATCCTGTTACTGGGCGAGGCCAGGTGGGAAGACGTCGCTGATCCTGTCCC
 TGGTGGGCGAGGAGTTCCCCGAGGAGGTCCCTCCCGCGCGGAGGAGATCACGATCCCCGCGACGTAC
 CCGGAGAAGGTGCCACCCACATCGTGGACTACTCAGAAGCCGAGCAGACGGACGAGGAGCTGCGGGAG
 GAGATCCACAAGGCAACGTGGTGTGTGTGGTGTATGACGTCTCTGAGGAGGCCACCATTTGAGAAGATTC
 GAACTAAGTGGATCCCACTGGTGAATGGGGGACACGACGGGGCCAGGTGCCATCATCCTAGTGGG
 CAACAAGTCAGACCTGCGGTGCGGGAGCTCCATGGAGGCCGTGCTCCCATCATGAGCCAGTTTCCCGAG
 ATTGAGACCTGCGTGGAGTGTTCGGCCAAGAACCTGAGGAACATCTCAGAGCTGTTCTACTACGCCAGA
 AGGCCGTCTGCATCCACAGCCCCCTCTATGACCCTGAGGCCAAGCAGTTGAGGCCGCGTGCGCCCA
 GCGCTGACGCGCATCTTCAGGCTCTCAGATCAGGACCTGGACCAGGCGCTCAGTGACGAAGAGCTCAAC
 GCTTTCAGAAATCCTGCTTTGGGCACCCCTGGCCCCGAGGCCCTGGAGGACGTGAAGACGGTGGTGT
 GCAGGAACGTGGCGGGCGGCGTGGGGAGGACCGGCTGACCCTGGATGGTTTCTCTCTGAAACACGCT
 CTTATCCAGCGCGGCCGACGAGACCACCTGGACCATCCTGCGGCGCTTCGGCTACAGCGATGCCCTG
 GAGCTGACTGCGGACTATCTCTCCCTCTGATCCACGTGCCCCCGGCTGCAGCACGGAGCTCAACCACC
 TTGGCTACCAAGTTTGTGAGAGAGTGTGAGAAAGCACGACAGGACCGCAGCGGCCCTCTCGCCCGT
 GGAGCTGCAAAGCCTTTTCAAGTGTGTTCCAGCAGCGCCCTGGGGCCCGAGCTCCACGCACAGTCCGC
 ACAGAGGCCGGCCGTTGCCCTGCACGGATACCTCTGCCAGTGGACCCTGGTGACCTACCTGGACGTCC
 GGAGCTGCCTTGGACACCTAGGCTACCTGGGCTACCCACCCTCTGTGAGCAGGACAGGCCCATGCCAT
 CACAGTCACTCGTGAGAAGAGGCTGGACAGGAGAAGGGACAGACGACGCGGAGCGTCTCTCTGTGCAAG
 GTGGTAGGGGCCGTTGAGTGGGCAAGTCTGCCTTCTGCAGGCTTTTCTCGGCCGCGGCTGGGGCACC
 AGGACACGAGGGAGCAGCCTCCCGGCTACGCCATCGACACGGTGCAGGTCAATGGACAGGAGAAGTACTT
 GATCCTCTGTGAGGTGGGCACAGATGGTCTGCTGGCCACATCGCTGGACGCCACCTGTGACGTTGCCTGC
 TTGATGTTTGTGAGTGGCAGTGACCAAGTCTTTGCACATTGTGCCAGCGTCTACAAGCACCATTACATGG
 ACGGGCAGACCCCTGCCTCTTTGTCTCTCAAGGCCGACCTGCCGAAGGTGTGCGGTTGTCTGGCCC
 ATCACCGGCCGAGTTTTCGCCAAGCACCGGTACCCGCTCCCGTCCGTTCTCCTGTGCTGGCCAGCC
 GAGCCAGCACCACTTTACCCAGCTCGCCACCATGGCCGCTTCCACATTTGGTCCACGCAGAGC
 TGCATCCCTTCTCTTGGCTCCGGGGCTGCTGGGGTTGTGCGGGCCGCGTGGCCGAGTCTCAG
 CTTCTACTCTACAGGTCTGGTGAAGAGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC204823 protein sequence
 Red=Cloning site Green=Tags(s)

MRRDVRILLLLGEAQVGKTSLLSLVGEFPEEVPRAEEITIPADVTPEKVPPTHIVDYSEAEQTDEELRE
 EIHKANVVCVVYDVSEETIEKIRTKWIPLVNGTTQGRVPIILVGNKSDLRSGSSMEAVLPIMSQFPE
 IETCVECSAKNLRNISELFYYAQKAVLHPTAPLYDPEAKQLRPACAQALTRIFRLSDQDLQALSDEELN
 AFQKSCFGHPLAPQALQEDVKTVCNRNAGGVREDRLTLDGFLFLNTLFIQRGRHETTWITLRRFGYSDAL
 ELTADYLSPLIHVPPGCSTELNHLGYQFVQRFVFEKHDQDRDGLSPVELQSLFSVFPAAPWGPPELPRTVR
 TEAGRLPLHGYLCQWTLVYLDVRSCLGHLGYLGYPTLCEQDQAHAITVTREKRLDQEKQTQRSVLLCK
 VVGARGVGKSAFLQAFLLGRGLGHQDTREQPPGYAIDTVQVNGQEKYLILCEVGTGDLATSLDQCDVAC
 LMFDSDPKSFHCASVYKHHYMDGQTPCLFVSSKADLPEGVAVSGPSAEFCRKHRLPAPVPFSCAGPA
 EPSTTIFTQLATMAAFPHLVHAELHPSSFWRGLLGVVGA AVA AVLSFSLYRVLVKSQ

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_138769
ORF Size:	1854 bp
Buffer:	PBS with 0.001% Pluronic F5604
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_138769.1, NP_620124.1</u>
RefSeq Size:	2556 bp
RefSeq ORF:	1857 bp
Locus ID:	89941
UniProt ID:	<u>Q8IXI1</u>
Cytogenetics:	16p13.3
MW:	68.1 kDa