

Product datasheet for **RC214409A1V**

Human MIRO1 (RHOT1) (NM_001033568) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human MIRO1 (RHOT1) (NM_001033568) AAV Particle
Tag:	Myc-DDK
Symbol:	RHOT1
Synonyms:	ARHT1; MIRO-1; MIRO1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC214409 representing NM_001033568
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGAAAGACGTGCGGATCCTGCTGGTGGGAGAACCTAGAGTTGGAAGACATCACTGATTATGTCTC
 TGGTCAGTGAAGAATTTCCAGAAGAGGTTCTCCCGGGCAGAAGAAATCACCATTCCAGCTGATGTCAC
 CCCAGAGAGAGTTCCAACACACATTGTAGATTACTCAGAAGCAGAACAGAGTGATGAACAACTTCATCAA
 GAAATATCTCAGGCTAATGTCATCTGTATAGTGTATGCCGTTAACAACAAGCATTCTATTGATAAGGTAA
 CAAGTCGATGGATTCTCTCATAAATGAAAGAACAGACAAAGACAGCAGGCTGCCTTTAATATTGGTTGG
 GAACAAATCTGATCTGGTGAATATAGTAGTATGGAGACCATCCTTCTATTATGAACAGTATACAGAA
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 AGCCCTTACTCGTATATTTAAAATATCTGATCAAGATAATGATGGTACTCTCAATGATGTGAACCTAAC
 TTCTTTTCAAGAGATTTGTTTCAACACTCCATTAGCTCCTCAAGCTCTGGAGGATGTCAAGAAATGTAGTCA
 GAAAACATATAAGTGATGGTGTGGCTGACAGTGGGTTGACCCTGAAAGGTTTTCTCTTTTACACACACT
 TTTTATCCAGAGAGGGAGACACGAACTACTTGGACTGTGCTTCGACGATTTGGTTATGATGATGACCTG
 GATTTGACACCTGAATATTTGTTCCCTCTGCTGAAAAACCTCCTGATTGCACTACTGAATTAATCATC
 ATGCATATTTATTTCTCCAAAGCACCTTTGACAAGCATGATTTGGATAGAGACTGTGCTTTGTCACCTGA
 TGAGCTTAAAGATTTATTTAAAGTTTTCCCTTACATACCTTGGGGCCAGATGTGAATAACACAGTTTGT
 ACCAATGAAAGAGGCTGGATAACCTACCAGGGATTCTTTCCAGTGGACGCTCACGACTTATTTAGATG
 TACAGCGGTGCCTGGAATATTTGGGCTATCTAGGCTATTCAATATTGACTGAGCAAGAGTCTCAAGCTTC
 AGCTGTTACAGTGACAAGAGATAAAAAAGATAGACCTGCAGAAAAACAACTCAAAGAAATGTGTTTCA
 TGTAATGTAATTGGAGTGAAAAACTGTGGGAAAAGTGGAGTTCTTCAGGCTCTTCTTGAAGAACTTAA
 TGAGGCAGAAGAAAATTCGTGAAGATCATAAATCCTACTATGCGATTAACACTGTTTATGTATATGGACA
 AGAGAAATACTTGTGTTGCATGATATCTCAGAATCGGAATTTCTAACTGAAGCTGAAATCATTGTGAT
 GTTGTATGCCTGGTATATGATGTCAGCAATCCCAAATCCTTTGAATACTGTGCCAGGATTTTAAAGCAAC
 ACTTTATGGACAGCAGAATACCTTGCTTAATCGTAGCTGCAAAGTCAGACCTGCATGAAGTTAAACAAGA
 ATACAGTATTTACCTACTGATTTCTGCAGGAAACACAAAATGCCTCCACCACAAGCCTTCACTTGCAAT
 ACTGCTGATGCCCCAGTAAGGATATCTTTGTTAAATTGACAACAATGGCCATGTATCCAGAGGATCATT
 ACAGAGACAGACTCTCCCGAGACATGGGCCACACTGATAGAATAGAGAATTTGAGAAAAATCTGGGTCTT
 TCTAAAACTGCTTTCCATGCCCGTTACGCTGTATGTGCACCTGCAACAGGTGTACATTTTGCATCTGT
 CAGAACTTCTCAACTCAGACTTGCTGCAATCTGTAAAGAACAAAATCTTCACTGCAGTTCTTAACAGGC
 ACGTGACACAAGCTGACCTCAAGAGCTCCACGTTTTGGCTTCGAGCAAGTTTTGGTGCTACTGTTTTTG
 AGTTTTGGGCTTTGCTATGTACAAGCATTATTGAAACAGCGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC214409 representing NM_001033568 Red=Cloning site Green=Tags(s) MKKDVRILLVGEPRVGKTSLSIMSLVSEEFPEEVPPRAEEITIPADVTPERVPTHTIVDYSEAEQSDEQLHQ EISQANVICIVYAVNNKHSIDKVTSRWIPLINERTDKDSRLPLILVGNKSDLVEYSSMETILPIMNQYTE IETCVCESAKNLKNISELFYYAQKAVLHPTGPLYCPEEKEMKPACIKALTRIFKISDQDNDGTLNDAELN FFQRICFNTPLAPQALEDVKNVVRKHISDGVADSGTLKGFLFLHTLFIQGRHETTWTVLRFRFGYDDDL DLTPEYLFPLLKIPPDCTTELNNHAYLFLQSTFDKHDLDRCALSPDELKDLFKVFPYIPWGPVNNNTVC TNERGWITYQGFLSQWTLTTYLDVQRCLEYLGYLGYSILTEQESQASAVTVTRDKKIDLQKKQTQRNVFR CNVIGVKNCGKSGVLQALLGRNLMRQKKIREDHKSYYAINTVYVYGQEKYLLHDISESEFLTEAEIICD VVCLVYDVSNPKSFEYCARIKQHFMDSRIPCLIVAASDLHEVKQEYSISPTDFCRKHKMPPPPQAFTCN TADAPSKDIFVKLTMMAMPEDHYDRLSRDMGHTDRIENLRKIWVFLKTAFHARLCMCTCNRCTFCIC QNFLNSDLLQSVKNKIFTAVLNRHVTQADLKSSSTFWLRASFGATVFAVLGFAMYKALLKQR TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001033568
ORF Size:	2073 bp
Buffer:	PBS with 0.001% Pluronic F7202
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_001033568.1, NP_001028740.1</u>
RefSeq Size:	3309 bp
RefSeq ORF:	2076 bp
Locus ID:	55288
UniProt ID:	<u>Q8IXI2</u>
Cytogenetics:	17q11.2
MW:	79.4 kDa