

Product datasheet for **RC207157A1V**

Human TCIRG1 (NM_006053) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human TCIRG1 (NM_006053) AAV Particle
Tag:	Myc-DDK
Symbol:	TCIRG1
Synonyms:	a3; Atp6i; ATP6N1C; ATP6V0A3; OC-116kDa; OC116; OPTB1; Stv1; TIRC7; Vph1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC207157 ORF sequence

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

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGCTCCATGTTCCGGAGCGAGGAGGTGGCCCTGGTCCAGCTCTTTCTGCCACACGGCTGCCTACA
 CCTGCGTGAGTCGGCTGGGCGAGCTGGGCCTCGTGGAGTTCAGAGACCTCAACGCCTCGGTGAGCGCCTT
 CCAGAGACGCTTTGTGGTTGATGTTCCGCGCTGTGAGGAGCTGGAGAAGACCTTCACTTCTGCAGGAG
 GAGGTGCGGGGGCTGGGCTGGTCTGCCCCGCCAAAGGGGAGGCTGCCGGCACCCCCACCCGGGACC
 TGCTGCGCATCCAGGAGGAGACGGAGCGCTGGCCAGGAGCTGCGGGATGTGCGGGGCAACCAGCAGGC
 CCTGCGGGCCAGCTGCACAGCTGCAGCTCCACGCCCGCTGCTACGCCAGGGCCATGAACCTCAGCTG
 GCAGCCGCCACACAGATGGGGCTCAGAGAGGACGCCCTGCTCCAGGCCCCGGGGGGCCGACCAGG
 ACCTGAGGGTCAACTTTGTGGCAGGTGCCGTGGAGCCCCACAAGGCCCTGCCCTAGAGCGCTGCTCTG
 GAGGGCTGCCCGGCTTCTCATTGCCAGCTTCAGGGAGCTGGAGCAGCGCTGGAGCACCCCGTGACG
 GGCGAGCCAGCCAGTGGATGACCTTCCCTCATCTCCTACTGGGGTGAGCAGATCGGACAGAAGATCCGCA
 AGATCACGGACTGCTTCCACTGCCACGTCTTCCGTTTCTGCAGCAGGAGGAGGCCCGCTCGGGGCCCT
 GCAGCAGCTGCAACAGCAGAGCCAGGAGCTGCAGGAGGTCTCGGGGAGACAGAGCGTTCTGAGCCAG
 GTGCTAGGCCGGGTGCTGCAGCTGCTGCCGCCAGGGCAGGTGCAGGTCCACAAGATGAAGGCCGTGTAAC
 TGGCCCTGAACAGTGCAGCGTGAGCACCACGCACAAGTGCTCATTGCCGAGGCTGGTGTCTGTGCG
 AGACCTGCCCGCCCTGCAGGAGGCCCTGCGGGACAGCTCGATGGAGGAGGGAGTGAAGTCCGTGGCTCAC
 CGCATCCCCTGCCGGGACATGCCCCCACACTCATCCGACCAACCGCTTCACGGCCAGCTTCCAGGGCA
 TCGTGGATGCCACGGCTGGGCCGCTACCAGGAGGTCAACCCCGCTCCCTACACCATCATCACCTTCCC
 CTTCTCTGTTTGTGTGATGTTCCGGGATGTGGGCCACGGGCTGCTCATGTTCTCTTCGCCCTGGCCATG
 GTCCTTCCGGAAGACCGACCGGCTGTGAAGGCCGCGCAGAACGAGATCTGGCAGACTTTCTTCCAGGGCC
 GCTACCTGCTCCTGCTTATGGGCCTGTTCTCCATCTACACCGGCTTCTCTACAACGAGTGCTTCAGTCG
 CGCCACCAGCATCTTCCCTCGGGCTGGAGTGTGGCCGCATGGCCAACAGTCTGGCTGGAGTGATGCA
 TTCTGGCCAGCACAGATGCTTACCCTGGATCCCAACGTACCGGTGTCTTCTGGGACCCTACCCCT
 TTGGCATCGATCCTATTGGAGCCTGGTGCCAACCACTTGAGCTTCTCAACTCCTCAAGATGAAGAT
 GTCCGTATCCTGGGCGTCGTGCACATGGCCTTTGGGGTGGTCTCGGAGTCTTCAACCACGTGCACTTT
 GGCCAGAGGCACCGGCTGCTGCTGGAGACGCTGCCGGAGCTCACCTTCTGCTGGGACTCTTCGTTTACC
 TCGTGTTCTAGTCATCTACAAGTGGCTGTGTGTCTGGGCTGCCAGGGCCGCTCGGCCCCAGCATCCT
 CATCCACTTCATCAACATGTTCTCTTCTCCACAGCCCCAGCAACAGGCTGCTTACCCCCGGCAGGAG
 GTGGTCCAGGCCACGCTGGTGGTCTGGCCTTGGCCATGGTGCCCATCCTGCTGCTTGGCACACCCTGC
 ACCTGCTGCACCGCCACCGCCGCGCTGCGGAGGAGGCCGCTGACCGACAGGAGGAAAACAAGCCGG
 GTTGCTGGACCTGCCTGACGCATCTGTGAATGGCTGGAGCTCCGATGAGGAAAAGGCAGGGGGCCTGGAT
 GATGAAGAGGAGGCCGAGCTCGTCCCTCCGAGGTGCTCATGCACAGGCCATCCACACCATCGAGTTCT
 GCCTGGGCTGCGTCTCAACACCGCCTCTACCTGCGCCTGTGGGCCCTGAGCCTGGCCACGCCACGCT
 GTCCGAGGTTCTGTGGCCATGGTGATGCGCATAGGCCTGGGCTGGGCCGGGAGGTGGCGTGGCGGCT
 GTGGTGTGGTCCCATCTTTGCCGCTTTGCCGTGATGACCGTGGCTATCCTGCTGGTGATGGAGGGAC
 TCTCAGCCTTCTGCACGCCCTGCGGCTGCACTGGGTGGAATTCCAGAACAAAGTTCTACTCAGGCACGGG
 CTACAAGCTGAGTCCCTTCACTTCCGCTGCCACAGATGAC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC207157 protein sequence Red=Cloning site Green=Tags(s) MGSMFRSEEVALVQLFLPTAAAYTCVSRLGELGLVEFRDLNASVSFAQRRFVVDVRRCEELEKTFITFLQE EVRRAGLVLPKPKGRLLPAPPRDLLRIQEETERLAQELRDVRGNQALRAQLHQLQLHAAVLRQGHEPQL AAHTDASERTPLLQAPGGPHQDLRVNFVAGAVEPHKAPALERLLWRACRGFLIASFRELEQPLEHPVT GEPATWMTFLISYWGEQIGQKIRKITDCFHCHVFPFLQQEEARLGALQQLQQSQELQEVLETGERFSLQ VLGRVLQLLPPGQVQVHKMKAVYLALNQCSVSTTHKCLIAEAWCSVRDLPALQEALRDSSMEEGVSAVAH RIPCRDMPPTLIRTNRTASFQGIVDAYGVGRYQEVNPAPYTIITFPFLFAVMFGDVGHLLMFLFALAM VLAENRPVAKAAQNEIWQTFFRGRYLLLLMGLFSIYTGFIYNECFSRATSIIFPSGWSVAAMANQSGWSDA FLAQHTMLTLDPNVTGVFLGPYPFGIDPIWSLAANHLNFLNSFKMKMSVILGVVHMAFGVVLGVFNHVF GQRHRLLETLPELTFLLGLFGYLVFLVIYKWCVWAARAASAPSILIHFINMFLFSHSPSNRLLYPRQE VVQATLVVLALAMVPIILLGTPLHLLHRHRRRLRRRPADRQEENKAGLLDLPDASVNGWSSDEEKAGGLD DEEEAELVPSEVLMHQAIHTIEFCLGCVSNTASYLRLWALSLAHAQLSEVLWAMVMRIGLGLGREVGVA VVLVPIFAAFVMTVAILLVMEGLSAFLHALRLHWVEFQNKFYSGTGYKLSPTFAATDD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_006053
ORF Size:	2490 bp
Buffer:	PBS with 0.001% Pluronic F5997
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_006053.2</u>
RefSeq Size:	2486 bp
RefSeq ORF:	1845 bp
Locus ID:	10312
UniProt ID:	<u>Q13488</u>
Cytogenetics:	11q13.2
MW:	93 kDa