

Product datasheet for **RC200226A1V**

Human Transglutaminase 2 (TGM2) (NM_198951) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Transglutaminase 2 (TGM2) (NM_198951) AAV Particle
Tag:	Myc-DDK
Symbol:	Transglutaminase 2
Synonyms:	G(h); hTG2; TG(C); TGC; tTG
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC200226 representing NM_198951
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCGAGGAGCTGGTCTTAGAGAGGTGTGATCTGGAGCTGGAGACCAATGGCCGAGACCACCACACGG
 CCGACCTGTGCCGGGAGAAGCTGGTGGTGCGACGGGGCCAGCCCTTCTGGCTGACCTGCACTTTGAGGG
 CCGCAACTACGAGGCCAGTGTAGACAGTCTCACCTTCAGTGTCTGTACCGGCCAGCCCTAGCCAGGAG
 GCCGGGACCAAGGCCGTTTTCCACTAAGAGATGCTGTGGAGGAGGGTGAAGTGGACAGCCACCGTGGTGG
 ACCAGCAAGACTGCACCCTCTCGCTGCAGCTCACACCCCGGCCAACGCCCCATCGCCTGTATCGCCT
 CAGCCTGGAGGCTCCACTGGCTACCAGGATCCAGCTTTGTGCTGGGCCACTTCATTTTGTCTTCAAC
 GCCTGGTGGCCAGCGGATGCTGTGTACCTGGACTCGGAAGAGGAGCGGCAGGAGTATGTCCTACCCAGC
 AGGGCTTTATCTACCAGGGCTCGGCCAAGTTCATCAAGAACATACCTTGAATTTTGGGAGTTTGAAGA
 TGGGATCTAGACATCTGCCTGATCCTCTAGATGTCAACCCCAAGTTCCTGAAGAAGCGCCGGCCTGAC
 TGCTCCCGCCGACGAGCCCGCTACGTGGGCGGGTGGTGAAGTGGATGGTCAACTGCAACGATGACC
 AGGGTGTGCTGTGGGACGCTGGGACAACAACACGCGGACGCGTCAAGCCCATGTCTGGATCGGCAG
 CGTGGACATCCTGCGGCGCTGGAAGAACCACGGCTGCCAGCGCTCAAGTATGGCCAGTGTGGTCTTC
 GCCCGCTGGCTGCACAGTGTGAGGTGCCTGGGATCCCTACCCGCTCGTGACCAACTACAACCTCGG
 CCCATGACCAGAACAGCAACCTTCTCATCGAGTACTCCGCAATGAGTTTGGGAGATCCAGGGTGACAA
 GAGCGAGATGATCTGGAATTCCTGCTGGTGGAGTCTGGATGACCAGGCCGACCTGCAGCCGGGG
 TACGAGGGCTGGCAGGCCCTGGACCAACGCCCCAGGAGAAGAGCGAAGGAGCGTACTGCTGTGGCCAG
 TTCCAGTTCGTGCCATCAAGGAGGGCGACCTGAGCACCAGTACGATGCGCCCTTTGTCTTTGCGGAGGT
 CAATGCCGACGTGGTAGACTGGATCCAGCAGGACGATGGGTCTGTGCACAAATCCATCAACCGTTCCCTG
 ATCGTTGGGCTGAAGATCAGCACTAAGAGCGTGGGCGGAGACGAGCGGGAGGATATCACCCACACCTACA
 AATACCCAGAGGGTCTCAGAGGAGAGGGAGGCCCTTCAAGGGCGAACCACTGAACAACTGGCCGA
 GAAGGAGGAGACAGGATGGCCATGCGGATCCGTGTGGCCAGAGCATGAACATGGGCAGTGACTTTGAC
 GTCTTTGCCACATACCAACAACACCGCTGAGGAGTACGTCTGCCGCTCTGCTGTGCCCCGACCG
 TCAGCTACAATGGGATCTTGGGCCCCGAGTGTGCACCAAGTACCTGCTCAACCTCAACCTGGAGCCTTT
 CTCTGGTAAAGCCCTGTGTTCTGGAGCATTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MAEELVLERCDLELETNGRDHHTADLCREKL VVRRGQPFWL TLHFEGRNYEASVDSL TFSVVTGPAPSQE
 AGTKARFPLRDAVEEGDWTATVVDQDCTL SLQLTTPANAPIGLYRLSLEASTGYQGSSFVLGHFILLFN
 AWC PADAVYLDSEEERQEYVLTQQGFIYQGS AKFIKNIPWNFGQFEDGILDICLILLDVNPKFLKNAGRD
 CSRRSSPVYVGRVYSGMVNCDNDQGVLLGRWDNNYGDGVSPMSWIGSVDILRRWKNHGCQRVKYGCWVF
 AAVACTVLRCLGIPTRVVTNYS AHQNSNLLIEYFRNEFGEIQGDKSEMIWNFHCWVESWMTRPDLQPG
 YEGWQALDPTPQEKSEGTGCCGVPVRAIKEGDLSTKYDAPFVFAEVNADVVDWIQQDDGSVHKSINRSL
 IVGLKISTKSVGRDEREDITHYKYPEGSSEEREAFTRANHLNKLAEKEETGMAMRIRVGQSMNMGSDFD
 VFAHITNNTAEYVCRLLLCARTVSYNGILGPECGTKYLLNLNLEPFSGKALCSWSIC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_198951

ORF Size:	1644 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_198951.1</u>
RefSeq Size:	1879 bp
RefSeq ORF:	1647 bp
Locus ID:	7052
UniProt ID:	<u>P21980</u>
Cytogenetics:	20q11.23
MW:	61.5 kDa