

Product datasheet for **RC217353A1V**

Human Transglutaminase 2 (TGM2) (NM_004613) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Transglutaminase 2 (TGM2) (NM_004613) AAV Particle
Tag:	Myc-DDK
Symbol:	TGM2
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:

>RC217353 representing NM_004613
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGAGGAGCTGGTCTTAGAGAGGTGTGATCTGGAGCTGGAGACCAATGGCCGAGACCACCACACGG
 CCGACCTGTGCCGGGAGAAGCTGGTGGTGCGACGGGGCCAGCCCTTCTGGCTGACCCTGCACTTTGAGGG
 CCGCAACTACGAGGCCAGTGTAGACAGTCTCACCTTCAGTGTCTGACCGGCCAGCCCCATGCCAGGAG
 GCCGGGACCAAGGCCGTTTTCCACTAAGAGATGCTGTGGAGGAGGGTGAAGGACAGCCACCGTGGTGG
 ACCAGCAAGACTGCACCCTCTCGCTGCAGCTCACACCCCGGCCAACGCCCCATCGGCCTGTATCGCCT
 CAGCCTGGAGGCTCCACTGGTACCAGGGATCCAGCTTTGTGCTGGGCCACTTCATTTTGTCTTCAAC
 GCCTGGTGCCAGCGGATGCTGTGTACCTGGACTCGGAAGAGGAGCGGCAGGAGTATGTCCTACCCAGC
 AGGGCTTTATCTACCAGGGCTCGGCCAAGTTCATCAAGAACATACCTTGAATTTTGGGAGTTTGAAGA
 TGGGATCTAGACATCTGCCTGATCCTTCTAGATGTCAACCCCAAGTTCCTGAAGAAGCGCGGCCGTGAC
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 TACGAGGGCTGGCAGGCCCTGGACCAACGCCCCAGGAGAAGAGCGAAGGAGCGTACTGCTGTGGCCAG
 TTCCAGTTCGTCCATCAAGGAGGGCGACCTGAGCACCAGTACGATGCGCCCTTTGTCTTTGCGGAGGT
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 ATCGTTGGGCTGAAGATCAGCACTAAGAGCGTGGGCCGAGACGAGCGGGAGGATATCACCCACACCTACA
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 GAAGGAGGAGACAGGGATGGCCATGCGGATCCGTGTGGGCCAGAGCATGAACATGGGCAGTGACTTTGAC
 GTCTTTGCCACATCACCAACAACACCGCTGAGGAGTACGTCTGCCGCTCTGCTGTGCCCCGACCG
 TCAGCTACAATGGGATCTTGGGGCCGAGTGTGGCACCAGTACCTGCTCAACCTCAACCTGGAGCCTTT
 CTCTGAGAAGAGCGTTCTCTTTGCATCCTCTATGAGAAATACCGTACTGCCTTACGGAGTCCAACCTC
 ATCAAGGTGCGGGCCCTCCTCGTGGAGCCAGTTATCAACAGCTACCTGCTGGCTGAGAGGGACCTCTACC
 TGGAGAATCCAGAAATCAAGATCCGGATCCTTGGGGAGCCCAAGCAGAAACGCAAGCTGGTGGCTGAGGT
 GTCCCTGCAGAACCCGCTCCCTGTGGCCCTGGAAGGCTGCACCTTCACTGTGGAGGGGGCCGGCCTGACT
 GAGGAGCAGAAGACGGTGGAGATCCCAGACCCCGTGGAGGCAGGGGAGGAAGTTAAGGTGAGAATGGACC
 TGCTGCCGCTCCACATGGGCCTCCACAAGCTGGTGGTGAATTCGAGAGCGACAAGCTGAAGGCTGTGAA
 GGGCTTCCGGAATGTCATCATTGGCCCCGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC217353 representing NM_004613 Red=Cloning site Green=Tags(s) MAEELVLERCDLELETNGRDHHTADLCREKL VVRGQPFWLTLHFEGRNYEASVDSLTFSSVVTGPAPSQE AGTKARFPLRDAVEEGDWTATVVDQDCTL SLQLTTPANAPIGLYRLSLEASTGYQGSSFVLGHFILLFN AWCPADAVYLDSEEERQEYVL TQQGFIYQGSAKFIKNIPWNFGQFEDGILDICLILLDVNPKFLKNAGRD CSRRSSPVYVGRVVSVMVNCNDDQGVLLGRWDNNYGDGVSPMSWIGSVDILRRWKNHGCQRVKYGCWVF AAVACTVLRCLGIPTRVVTNYSNHDQNSNLLIEYFRNEFGEIQGDKSEMIWNFHCWVESWMTRPDLQPG YEGWQALDPTPQEKSEGTCCGVPVRAIKEGDLSTKYDAPFVFAEVNADVVDWIQQDDGSVHKSINRSL IVGLKISTKSVGRDEREDITHYKYPEGSSEEREAFTRANHLNKLAEKEETGMAMRIRVGQSMNMGSDFD VFAHITNNTAEEYVCRLLL CARTVSYNGILGPECGTKYLLNLNLEPFSEKSVPLCILYEKYRDCLTESNL IKVRALLVEPVINSYLLAERDLYLENPEIKIRILGEPKQKRKLVAEVS LQNPLPVALEGCTFTVEGAGLT EEQKTVEIPDPVEAGEEVKVRMDLLPLHMLHKL VVNFESDKLKAVKGFRNVIIGPA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_004613
ORF Size:	2061 bp
Buffer:	PBS with 0.001% Pluronic F7672
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_004613.2</u>
RefSeq Size:	3937 bp
RefSeq ORF:	2064 bp
Locus ID:	7052
UniProt ID:	<u>P21980</u>
Cytogenetics:	20q11.23
MW:	77.1 kDa