OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC215126A1V

Human Transglutaminase 5 (TGM5) (NM_201631) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Transglutaminase 5 (TGM5) (NM_201631) AAV Particle
Tag:	Myc-DDK
Symbol:	TGM5
Synonyms:	PSS2; TGASE5; TGASEX; TGM6; TGMX; TGX
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)

View online »

ORF Nucleotide Sequence:

>RC215126 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCAAGGGCTAGAAGTGGCCCTCACAGACCTCCAGAGCTCCAGAAATAATGTGCGGCACCACACGG
AGGAGATCACTGTGGACCACCTGCTTGTTCGCCGGGGCCAGGCCTTCAACCTCACCCTGTACTTCAGGAA
CCGGAGCTTCCAGCCAGGCCTGGACAACATCATCTTCGTGGTTGAAACTGGACCGCTGCCAGACCTGGCC
TTGGGGACTCGGGCTGTGTTCAGCCTGGCACGCCATCACAGCCCCAGCCCCTGGATTGCCTGGCTGGAGA
CCAATGGGGCCACCTCCACAGAGGTGAGCTTGTGCGCTCCTCCCAAGGCGGCCGTGGGTCGGTACCTCTT
GAAAATCCACATCGACTCCTTCCAGGGGTCTGTGACGGCCTACCAGCTAGGGGAGTTCATCCTGCTTTTC
AATCCCTGGTGCCCAGAGGATGCTGTCTACTTGGACAGTGAACCCCAGAGGCAGGAGTATGTCATGAATG
ATTATGGCTTCATCTACCAAGGCAGCAAGAACTGGATCCGCCCATGTCCCTGGAACTATGGACAGTTTGA
AGACAAAATCATAGACATCTGCCTGAAGCTGCTAGACAAGAGCCTGCACTTCCAGACTGACCCAGCCACA
GACTGTGCTCTGCGGGGAAGCCCCGTCTACGTCAGCAGAGTGGTGTGTGCCATGATCAACAGCAATGATG
ATAATGGGGTGCTCAATGGAAACTGGAGTGAGAATTACACAGACGGCGCCAACCCTGCGGAGTGGACGGG
CAGCGTGGCCATCCTGAAGCAGTGGAACGCCACAGGCTGCCAGCCCGTGCGCTACGGGCAATGCTGGGTC
TTTGCTGCCGTCATGTGCACAGTGATGAGGTGTCTGGGGATCCCTACCCGTGTGATCACCAACTTCGACT
CTGGCCACGATACAGATGGAAACCTGATCATAGATGAGTACTATGACAACACAGGCAGGATTTTGGGGAA
TAAGAAGAAGGATACTATCTGGAACTTCCATGTCTGGAATGAGTGCTGGATGGCCCGGAAGGATCTGCCC
CCTGCATATGGAGGCTGGCAGGTGCTGGACGCCACACCTCAGGAGATGAGCAACGGCGTCTACTGCTGTG
GCCCTGCCTCTGTCAGAGCCATCAAAGAAGGAGAAGTGGACCTGAACTATGACACGCCCTTTGTGTTTTC
GATGGTGAATGCTGACTGCATGTCCTGGCTCGTCCAGGGAGGGAAGGAGCAGAAGCTTCACCAGGACACG
AGTTCTGTTGGCAATTTTATCAGCACAAAGAGCATCCAGAGTGACGAGCGGGATGACATCACAGAGAACT
ACAAGTATGAAGAAGGATCCCTCCAGGAGAGGCAGGTGTTTCTGAAGGCTCTGCAGAAGCTGAAGGCTAG
AAGCTTCCATGGCTCCCAAAGAGGAGCAGAGTTGCAACCTTCCAGGCCCACATCACTGAGCCAGGACAGC
CCTCGGAGCCTGCATACACCTTCCCTTCGACCCAGTGATGTGGTGCAAGTCTCCCTGAAATTCAAGCTGC
TCGACCCGCCCAACATGGGCCAGGATATATGCTTTGTCCTGCTGGCCCTCAACATGTCCTCCCAGTTCAA
GGACCTCAAAGTGAACCTGAGTGCCCAGTCTCTGCTGCACGATGGCAGCCCCCTGTCCCCATTCTGGCAG
GACACAGCGTTCATCACACTCTCTCCTAAAGAAGCAAAGACCTACCCCTGCAAAATCTCCTATTCCCAGT
ACAGCCAGTACCTGTCAACAGACAAGCTGATCCGCATCAGTGCCCTGGGTGAAGAGAAAAGCAGTCCTGA
GAAAATCCTGGTGAACAAGATCATCACCTTATCTTATCCAAGCATCACGATTAATGTTCTAGGAGCAGCC
GTTGTGAACCAGCCACTCTCCATACAGGTGATATTTTCAAACCCCCTCTCGGAGCAGGTTGAGGACTGTG
TGCTGACTGTGGAAGGAAGTGGCCTCTTCAAGAAACAGCAGAAAGTCTTCCTTGGAGTCCTCAAACCCCA
ACACCAAGCAAGCATCATTCTGGAGACCGTCCCCTTCAAGAGTGGACAAAGGCAGATCCAAGCTAATATG
AGAAGCAACAAGTTTAAGGACATTAAGGGTTACAGGAATGTTTATGTAGACTTTGCATTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215126 protein sequence
Red=Cloning site Green=Tags(s)

MAQGLEVALTDLQSSRNNVRHHTEEITVDHLLVRRGQAFNLTLYFRNRSFQPGLDNIIFVVETGPLPDLA
LGTRAVFSLARHHSPSPWIAWLETNGATSTEVSLCAPPKAAVGRYLLKIHIDSFQGSVTAYQLGEFILLF
NPWCPEDAVYLDSEPQRQEYVMNDYGFIYQGSKNWIRPCPWNYGQFEDKIIDICLKLLDKSLHFQTDPAT
DCALRGSPVYVSRVVCAMINSNDDNGVLNGNWSENYTDGANPAEWTGSVAILKQWNATGCQPVRYGQCWV
FAAVMCTVMRCLGIPTRVITNFDSGHDTDGNLIIDEYYDNTGRILGNKKKDTIWNFHVWNECWMARKDLP
PAYGGWQVLDATPQEMSNGVYCCGPASVRAIKEGEVDLNYDTPFVFSMVNADCMSWLVQGGKEQKLHQDT
SSVGNFISTKSIQSDERDDITENYKYEEGSLQERQVFLKALQKLKARSFHGSQRGAELQPSRPTSLSQDS
PRSLHTPSLRPSDVVQVSLKFKLLDPPNMGQDICFVLLALNMSSQFKDLKVNLSAQSLLHDGSPLSPFWQ
DTAFITLSPKEAKTYPCKISYSQYSQYLSTDKLIRISALGEEKSSPEKILVNKIITLSYPSITINVLGAA
VVNQPLSIQVIFSNPLSEQVEDCVLTVEGSGLFKKQQKVFLGVLKPQHQASIILETVPFKSGQRQIQANM
RSNKFKDIKGYRNVYVDFAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species: Human

Serotype: AAV-2

ACCN: NM_201631

ORF Size: 2160 bp

Buffer: PBS with 0.001% Pluronic F7325

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: NM_201631.1

RefSeq Size: 2777 bp

RefSeq ORF: 2163 bp

Locus ID: 9333

UniProt ID: O43548

Cytogenetics: 15q15.2

MW: 80.8 kDa