

Product datasheet for **RC202705A1V**

Human Transglutaminase 4 (TGM4) (NM_003241) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Transglutaminase 4 (TGM4) (NM_003241) AAV Particle
Tag:	Myc-DDK
Symbol:	TGM4
Synonyms:	hTGP; TGP
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC202705 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGATGGATGCATCAAAAGAGCTGCAAGTTCTCCACATTGACTTCTTGAATCAGGACAACGCCGTTTCTC
ACCACACATGGGAGTTCCAAACGAGCAGTCCTGTGTTCCGGCGAGGACAGGTGTTTCACCTGCGGCTGGT
GCTGAACACAGCCCTACAATCCTACCACCAACTGAAACTGGAATTCAGCACAGGGCCGAATCCTAGCATC
GCCAAACACACCCTGGTGGTGTGACCCGAGGACGCCCTCAGACCACTACAACCTGGCAGGCAACCCCTTC
AAAATGAGTCTGGCAAAGAGGTACAGTGGCTGTACACAGTTCCTCCCAATGCCATCCTGGGCAAGTACCA
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TGGTGTAAAGAGGACATGGTTTTCATGCCTGATGAGGACGAGCGCAAAGAGTACATCCTCAATGACACGG
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CTGGTGTGACAGGCCATGTGTGCTATGATGAGCTTTGAGAAAGGCCAGGGCGTGCTCATTGGGAATTGGA
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GTGACATCTTTATTGTCTATGACACCAGATTGCTCTTCTCAGAAGTGAATGGTGACAGGCTCATCTGGTT
GGTGAAGATGGTGAATGGGCAGGAGGATTACACGTAATTTCAATGGAGACCACAAGCATCGGGAAAAAC
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ACCGTGATTCTTAAAGGAAGACCGCTGCCCTACAGAATGTCAACATCTTGGGTTCTTTGAACTACAGT
TGTACACTGGCAAGAAGATGGCAAACTGTGTGACCTCAATAAGACCTCGCAGATCCAAGGTCAAGTATC
AGAAGTACTCTGACCTTGGACTCCAAGACCTACATCAACAGCCTGGCTATATTAGATGATGAGCCAGTT
ATCAGAGGTTTCATCATTGCGGAAATTGTGGAGTCTAAGGAAATCATGGCCTCTGAAGTATTCAGTCTT
TCCAGTACCCTGAGTTCTCTATAGAGTTGCCTAACACAGGCAGAAATGGCCAGCTACTTGTCTGCAATTG
TATCTTCAAGAATACCCTGGCCATCCCTTTGACTGACGTCAAGTTCTCTTTGAAAGCCTGGGCATCTCC
TCACTACAGACCTCTGACCATGGGACGGTGCAGCCTGGTGAGACCATCCAATCCCAAATAAAATGCAACC
CAATAAAACTGGACCAAGAAATTTATCGTCAAGTTAAGTTCCAAACAAGTGAAGAGATTAATGCTCA
GAAGATTGTTCTCATACCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC202705 protein sequence Red=Cloning site Green=Tags(s) MMDASKELQVLHIDFLNQDNAVSHHTWEFQTSSPVFRRGQVFHLRLVLNQPLQSYHQLKLEFSTGPNPSI AKHTLVLDPRTPSDHYNWQATLQNESGKEVTVAVTSSPNAILGKYQLNVKTGNHILKSEENILYLLFNP WCKEDMVFMPDEDERKEYILNDTGCHYVGAARSIKCKPWNFGQFEKNVLDCCISLLTESSLKPTDRRDPV LVCRAMCAMMSFEKGQGVLIQNWTDYEGGTAPYKWTGSAPILQQYYNTKQAVCFGQCWVFAGILTTVLR ALGIPARSVTGFDSAHDTERNLTVDTYVNEGENKITSMTHDSVWNFHVWTDAMMKRPDLPGYDQWQAVD ATSQERSQGVFCCGPSPLTAIRKGDIFIVYDTRFVFSEVNGDRLIWLKVMVNGQEELHVISMETTSIGKN ISTKAVGQDRRDITYEYKYPEGSSEERQVMDHAFLLSSEREHRRPVKENFLHMSVQSDDVLLGNSVNF TVILKRKTAALQNVNIGSFELQLYTGKKMAKLCNLKTSQIQGQVSEVTLTLDSTYINSLAILDDEPV IRGFIIAEIVESKEIMASEVFTSFQYPEFSIELPNTGRIGQLLVCNCFKNTLAIPLTVDKFSLESLSGIS SLQTSDHGTVPGETIQSQIKCTPIKTGPKKFIVKLSSKQVKEINAQKIVLITK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_003241
ORF Size:	2052 bp
Buffer:	PBS with 0.001% Pluronic F5362
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_003241.1</u>
RefSeq Size:	3027 bp
RefSeq ORF:	2055 bp
Locus ID:	7047
UniProt ID:	<u>P49221</u>
Cytogenetics:	3p21.31
MW:	77.1 kDa