

Product datasheet for **RC202863A1V**

Human MGAT2 (NM_001015883) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human MGAT2 (NM_001015883) AAV Particle
Tag:	Myc-DDK
Symbol:	MGAT2
Synonyms:	GNT2, CDGS2, GNT-II, GLCNACTII
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC202863 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGAGGTTCCGCATCTACAAACGGAAGGTGCTAATCCTGACGCTCGTGGTGGCCGCTGCGGCTTCGTCC
 TCTGGAGCAGCAATGGGCGACAAAGGAAGAAGAGGCCCCCGCCCCACCGTTGCTGGACGCCGAACCCGC
 GCGGGGTGCCGCGGCCGCGGTGGGACCACCCCTCTGTGGCTGTGGGCATCCGACGGGTCTCCAACGTG
 TCGGGCGCTTCCCTGGTCCCGCGGTCCCCAGCCGAGGCGGACAACCTGACGCTGCGGTACCGGTCCC
 TGGTGTACCAGCTGAACCTTTGATCAGACCCTGAGGAATGTAGATAAGGCTGGCACCTGGGCCCCCGGGA
 GCTGGTGTGGTGGTCCAGGTGCATAACCGGCCGAATACCTCAGACTGCTGCTGGACTCACTTCGAAAA
 GCCCAGGAATTGACAACGTCTCGTCATCTTTAGCCATGACTTCTGGTCGACCGAGATCAATCAGCTGA
 TCGCCGGGTGAATTTCTGTCCGGTTCTGCAGGTGTTCTTTCTTTTCTCAGATTGAGTTGACCTAACGA
 GTTTCAGGTAGTGACCTAGAGATTGTCCAGAGACCTGCCGAAGAATGCCGCTTTGAAATTGGGTGC
 ATCAATGCTGAGTATCCCGACTCCTTCGCCATTATAGAGAGGCCAAATTCTCCAGACCAAACATCACT
 GGTGGTGAAGCTGCATTTTGTGTGGGAAAGAGTGAAAATTCTTCGAGATTATGCTGGCCTTATACTTTT
 CCTAGAAGAGGATCACTACTTAGCCCCAGACTTTTACCATGTCTTCAAAAAGATGTGAAACTGAAGCAG
 CAAGAGTGCCTGAATGTGATGTTCTCTCCCTGGGACCTATAGTGCCAGTCGCAGTTTCTATGGCATGG
 CTGACAAGGTAGATGTGAAAACCTTGAAATCCACAGAGCACAATATGGGTCTAGCCTTGACCCGGAATGC
 CTATCAGAAGCTGATCGAGTGACAGACACTTTCTGTACTTATGATGATTATAACTGGGACTGGACTCTT
 CAATACTTGACTGTATCTTGTCTTCAAAAATCTGAAAGTGTGGTTCCTCAAATTCCTAGGATCTTTC
 ATGCTGGAGACTGTGGTATGCATCACAAGAAAACCTGTAGACCATCCACTCAGAGTGCCCAAATTTAGATC
 ACTCTTAAATAATAACAACAATACATGTTTCAGAAAACCTAACTATCAGTGAAAAGTTTACTGTGGTA
 GCCATTTCCACCTAGAAAAATGGAGGGTGGGAGATATTAGGGACCATGAACCTCTGTAAAAGTTATA
 GAAGACTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202863 protein sequence
 Red=Cloning site Green=Tags(s)

MRFRIYKRKVLILTLVVAACGFVLWSSNGRQRKNEALAPLLDAEPARGAGGRGGDHPVAVGIRRVSNV
 SAASLVPVAPQPEADNLTRYRSLVYQLNFDQTLRNVDKAGTWAPRELVLVVQVHNRPEYLRLLDLSLRK
 AQGIDNVLVIFSHDFWSTEINQLIAGVNFQVLPVFPFPIQLYPNEFPDPRDCPRDLPKNAALKLGC
 INAEYPDSPFGHYREAFKSQTKHHWWKLHFVWERVKILRDYAGLILFLEEDHYLAPDFYHVFKKMWKLKQ
 QECPECDVLSLGTYSASRSFYGMADKVDVKTWKSTEHNMGLALTRNAYQKLIETDFTCTYDDYNWDWTL
 QYLTVSCLPKFWKVLVPQIPRIFHAGDCGMHHKTCRPSQSAQIESLLNNNKQYMFPELTISEKFTTV
 AISPFRKNGGWDIRDHELCKSYRRLQ

TRTRPLE**QKLISEEDLA**AND**ILDYKDDDDKV**

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001015883

ORF Size:

1341 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_001015883.1</u> , <u>NP_001015883.1</u>
RefSeq Size:	2531 bp
RefSeq ORF:	1343 bp
Locus ID:	4247
Cytogenetics:	14q21.3
MW:	51.6 kDa