

Product datasheet for **RC200717A1V**

Human MGAT1 (NM_002406) AAV Particle

Product data:

Product Type:	AAV Particles
Tag:	Myc-DDK
Symbol:	MGAT1
Synonyms:	GLCNAC-TI; GLCTI; GLYTI; GNT-I; GNT-I; GnTI; MGAT
Mammalian Cell	None
Selection:	
Vector:	pAAV-AC-Myc-DDK (PS100089)

ORF Nucleotide Sequence: >RC200717 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGAAGAAGCAGTCTGCAGGGCTTGCTGTGGGGCGCTATCCTCTTTGTGGCCTGGAATGCCCTGC
TGCTCCTCTTCTTCTGGACGCGCCAGCACCTGGCAGGCCACCCTCAGTCAGCGCTCTCGATGGCGACCC
CGCCAGCCTCACCCGGGAAGTGATTGCGCTGGCCCAAGACGCCGAGGTGGAGCTGGAGCGGCAGCGTGGG
CTGCTGCAGCAGATCGGGGATGCCCTGTCGAGCCAGCGGGGAGGGTGCCACCGCGGCCCTCCCGCCC
AGCCGCGTGTGCCTGTGACCCCGCGCCGGCGGTGATCCCATCCTGGTCATCGCCTGTGACCGCAGCAC
TGTTCCGGCGCTGCCTGGACAAGCTGCTGCATTATCGGCCCTCGGCTGAGCTCTTCCCATCATCGTTAGC
CAGGACTGCGGGCACGAGGAGACGGCCAGGCCATCGCCTCCTACGGCAGCGCGGTACGCACATCCGGC
AGCCCGACCTGAGCAGATTGCGGTGCCGCGGACCAACGCAAGTTCAGGGCTACTACAAGATCGCGCG
CCTACTACCGCTGGGCGCTGGGCCAGGTCTTCGGCAGTTTCGCTTCCCCGCGCCGTGGTGGTGGAGGAT
GACCTGGAGGTGGCCCCGACTTCTTCGAGTACTTTCGGGCCACCTATCCGCTGCTGAAGGCCGACCCCT
CCCTGTGGTGCCTCTCGGCCTGGAATGACAACGCAAGGAGCAGATGGTGGACGCCAGCAGGCCCTGAGCT
GCTCTACCGCACCGACTTTTCCCTGGCCTGGGCTGGCTGCTGTTGGCCGAGCTCTGGGCTGAGCTGGAG
CCCAAGTGGCCAAAGGCCTTCTGGGACGACTGGATGCGGCGGCCGAGCAGCGGCAGGGGCGGGCCTGCA
TACGCCCTGAGATCTCAAGAACGATGACCTTTGGCCGAAGGGTGTGAGCCACGGGCAGTTCTTTGACCA
GCACCTCAAGTTTATCAAGCTGAACGACAGTTTGTGCACTTACCCAGCTGGACCTGTCTTACCTGCAG
CGGGAGGCCTATGACCGAGATTTCTCGCCCGCGTCTACGGTGCTCCCCAGCTGCAGGTGGAGAAAGTGA
GGACCAATGACCGGAAGGAGCTGGGGGAGGTGCGGGTGCAGTATACGGGCAGGACAGCTTCAAGGCTTT
CGCCAAGGCTCTGGGTGTCATGGATGACCTTAAGTCGGGGTTCGAGAGCTGGCTACCGGGGTATTGTC
ACCTTCCAGTTCGGGGCGCCGTGTCACCTGGCGCCCCACCGACGTGGGAGGGCTATGATCCTAGCT
GGAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGTTTAA



Protein Sequence:	>RC200717 protein sequence Red=Cloning site Green=Tags(s) MLKKQSAGLVWGAILFVAWNALLLLFFWTRPAPGRPPSVSALDGDPSALTREVIRLAQDAEVELERQRG LLQQIGDALSSQGRVPTAAPPAQPRVPVTPAPAVIPILVIACDRSTVRRCLDKLLHYRPSAELFPIIVS QDCGHEETAQAIASYGSVTHIRQPDLSIAVPPDHRKFQGYKIIARHYRWALGQVFRQFRFPAAVVVED DLEVAPDFFEYFRATYPLLKADPSLWCVSAWNGKEQMVDASRPPELLYRTDFFPGLGWLLLAELWAELE PKWPKAFWDDWMRRPEQRQGRACIRPEISRTMTFGRKGVSHGQFFDQHLKFIKLNQQFVHFTQLDLSYLQ REAYDRDFLARVYGAPQLQVEKVRTNDRKELGEVRVQYTGGRDSFKAFKALGVMDLKGVPVPRAGYRGIV TFQFRGRRVHLAPPPTWEGYDPSWN TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_002406
ORF Size:	1335 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_002406.2, NP_002397.1</u>
RefSeq Size:	2937 bp
RefSeq ORF:	1338 bp
Locus ID:	4245
UniProt ID:	<u>P26572</u>
Cytogenetics:	5q35.3
MW:	50.9 kDa