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Product datasheet for RC225732A1V

Human MGAT1 (NM_001114617) AAV Particle

Product data:

Product Type: AAV Particles

Tag: Myc-DDK

Symbol: MGAT1

Synonyms: GLCNAC-TI; GLCT1; GLYT1; GNT-1; GNT-I; GnTI; MGAT

Mammalian Cell Selection: None

Vector: pAAV-AC-Myc-DDK (PS100089)

ORF Nucleotide Sequence:

>RC225732 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGAAGAAGCAGTCTGCAGGGCTTGTGCTGTGGGGCGCTATCCTCTTTGTGGCCTGGAATGCCCTGC
TGCTCCTCTTCTTCTGGACGCGCCCAGCACCTGGCAGGCCACCCTCAGTCAGCGCTCTCGATGGCGACCC
CGCCAGCCTCACCCGGGAAGTGATTCGCCTGGCCCAAGACGCCGAGGTGGAGCTGGAGCGGCAGCGTGGG
CTGCTGCAGCAGATCGGGGATGCCCTGTCGAGCCAGCGGGGGAGGGTGCCCACCGCGGCCCCTCCCGCCC
AGCCGCGTGTGCCTGTGACCCCCGCGCCGGCGGTGATTCCCATCCTGGTCATCGCCTGTGACCGCAGCAC
TGTTCGGCGCTGCCTGGACAAGCTGCTGCATTATCGGCCCTCGGCTGAGCTCTTCCCCATCATCGTTAGC
CAGGACTGCGGGCACGAGGAGACGGCCCAGGCCATCGCCTCCTACGGCAGCGCGGTCACGCACATCCGGC
AGCCCGACCTGAGCAGCATTGCGGTGCCGCCGGACCACCGCAAGTTCCAGGGCTACTACAAGATCGCGCG
CCACTACCGCTGGGCGCTGGGCCAGGTCTTCCGGCAGTTTCGCTTCCCCGCGGCCGTGGTGGTGGAGGAT
GACCTGGAGGTGGCCCCGGACTTCTTCGAGTACTTTCGGGCCACCTATCCGCTGCTGAAGGCCGACCCCT
CCCTGTGGTGCGTCTCGGCCTGGAATGACAACGGCAAGGAGCAGATGGTGGACGCCAGCAGGCCTGAGCT
GCTCTACCGCACCGACTTTTTCCCTGGCCTGGGCTGGCTGCTGTTGGCCGAGCTCTGGGCTGAGCTGGAG
CCCAAGTGGCCAAAGGCCTTCTGGGACGACTGGATGCGGCGGCCGGAGCAGCGGCAGGGGCGGGCCTGCA
TACGCCCTGAGATCTCAAGAACGATGACCTTTGGCCGCAAGGGTGTGAGCCACGGGCAGTTCTTTGACCA
GCACCTCAAGTTTATCAAGCTGAACCAGCAGTTTGTGCACTTCACCCAGCTGGACCTGTCTTACCTGCAG
CGGGAGGCCTATGACCGAGATTTCCTCGCCCGCGTCTACGGTGCTCCCCAGCTGCAGGTGGAGAAAGTGA
GGACCAATGACCGGAAGGAGCTGGGGGAGGTGCGGGTGCAGTATACGGGCAGGGACAGCTTCAAGGCTTT
CGCCAAGGCTCTGGGTGTCATGGATGACCTTAAGTCGGGGGTTCCGAGAGCTGGCTACCGGGGTATTGTC
ACCTTCCAGTTCCGGGGCCGCCGTGTCCACCTGGCGCCCCCACCGACGTGGGAGGGCTATGATCCTAGCT
GGAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC225732 protein sequence
Red=Cloning site Green=Tags(s)

MLKKQSAGLVLWGAILFVAWNALLLLFFWTRPAPGRPPSVSALDGDPASLTREVIRLAQDAEVELERQRG
LLQQIGDALSSQRGRVPTAAPPAQPRVPVTPAPAVIPILVIACDRSTVRRCLDKLLHYRPSAELFPIIVS
QDCGHEETAQAIASYGSAVTHIRQPDLSSIAVPPDHRKFQGYYKIARHYRWALGQVFRQFRFPAAVVVED
DLEVAPDFFEYFRATYPLLKADPSLWCVSAWNDNGKEQMVDASRPELLYRTDFFPGLGWLLLAELWAELE
PKWPKAFWDDWMRRPEQRQGRACIRPEISRTMTFGRKGVSHGQFFDQHLKFIKLNQQFVHFTQLDLSYLQ
REAYDRDFLARVYGAPQLQVEKVRTNDRKELGEVRVQYTGRDSFKAFAKALGVMDDLKSGVPRAGYRGIV
TFQFRGRRVHLAPPPTWEGYDPSWN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species: Human

Serotype: AAV-2

ACCN: NM_001114617

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: NM_001114617.1, NP_001108089.1

RefSeq Size: 3095 bp

RefSeq ORF: 1338 bp

Locus ID: 4245

UniProt ID: P26572

Cytogenetics: 5q35.3

MW: 50.9 kDa