

Product datasheet for **RC204267A1V**

Human GMP Synthase (GMPS) (NM_003875) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human GMP Synthase (GMPS) (NM_003875) AAV Particle
Tag:	Myc-DDK
Symbol:	GMPS
Synonyms:	GATD7
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC204267 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCTCTGTGCAACGGAGACTCCAAGCTGGAGAATGCTGGAGGAGACCTTAAGGATGGCCACCACCACT
ATGAAGGAGCTGTTGTCTATTCTGGATGCTGGTCTCAGTACGGGAAAGTCATAGACCGAAGAGTGAGGGA
ACTGTTCTGTCAGTCTGAAATTTTCCCCTTGGAAAACACAGCATTGCTATAAAGGAACAAGATTCCGT
GCTATTATCATCTCTGGAGGACCTAATTCTGTGTATGCTGAAGATGCTCCCTGGTTTGATCCAGCAATAT
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ACAGTTCACCCTGAAGTTGGCCTTACAGAAAATGGAAAAGTAATACTGAAGAATTTCTTTATGATATA
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TCGTGCTTTGAACCAAGAACAAGTCATTGCTGTGCACATTGATAATGGCTTTATGAGAAAACGAGAAAGC
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TTGAAAGTGCATCCCTTGTTGCAAGTGGCAAAGCTGAAGTCACTCAAAACCCATCACAATGACACAGAGCT
CATCAGAAAAGTTGAGAGAGGAGGAAAAGTAATAGAACCTCTGAAAGATTTTCATAAAGATGAAGTGAGA
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TTAAAGTGTAGGTGTGAGGGTACTGTCGTTCTACAGTTACGTGTGTGGAATCTCCAGTAAAGATGA
ACCTGACTGGGAATCACTTATTTTCTGGCTAGGCTTATACCTCGCATGTGTACAACGTTAACAGAGTT
GTTTATATATTTGGCCACCAGTTAAAGAACCTCTACAGATGTTACTCCCACTTTCTTGACAACAGGGG
TGCTCAGTACTTTACGCCAAGCTGATTTTGAGGCCATAACATTCTCAGGGAGTCTGGGTATGCTGGGAA
AATCAGCCAGATGCCGGTGATTTTGACACCATTAATTTTGATCGGGACCCACTTCAAAAGCAGCCTTCA
TGCCAGAGATCTGTGGTTATTCGAACCTTTATTAAGTACTGACTTCATGACTGGTATACCTGCAACACCTG
GCAATGAGATCCCTGTAGAGGTGGTATTAAGATGGTCACTGAGATTAAGAAGATTCTGGTATTTCTCG
AATTATGTATGACTTAACATCAAAGCCCCAGGAAGTACTGAGTGGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC204267 protein sequence Red=Cloning site Green=Tags(s) MALCNGDSKLENAGGDLKDGHHHYEGAVVILDAGAQYGKVIDRRVRELFVQSEIFPLETPAFAIKEQGFR AIIISGGPNSVYAEDAPWFDPAIFTIGKPVLGICYGMQMMNKVFGGTVHKKSVREDGVFNISVDNTCSLF RGLQKEEVVLLTHGDSVDKQVADGFKVVARSGNIVAGIANESKKLYGAQFHPEVGLTENGKVLKNFLYDI AGCSGFTVQNRELECIREIKERVGTSKVLVLLSGGVDSTVCTALLNRALNQEQVIQVHIDNGFMRKRES QSVEEALKKLGIVKVINAAHSFYNGTTTLPISDEDRTPRKRISKTLNMTTSPEEKRKIIIGDTFVKIANE VIGEMNLKPEEVFLAQGTLRPDIESASLVASGKAELIKTHHNDTELIRKLREEGKVIEPLKDFHKDEV ILGRELGLPEELVSRHPFPGPLAIRVICAEEPICKDFPETNNILKIVADFSASVKKPHTLLQRVKA CTTEEDQEKLMTSLHSLNAFLPIKTVGVQDCRSYSYVCGISSKDEPDWESLIFLARLIPRMCHNVNRV VYIFGPPVKPEPTDVTPTFLTGTGLTLRQADFEAHNLRSGYAGKISQMPVILTPLHFDRDPLQKQPS CQRSVIRTFTISDFMTGIPATPGNEIPVEVLKMTVEIKKIPGISRIMYDLTSKPPGTTEWE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_003875
ORF Size:	2079 bp
Buffer:	PBS with 0.001% Pluronic F5544
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_003875.2
RefSeq Size:	2457 bp
RefSeq ORF:	2082 bp
Locus ID:	8833
UniProt ID:	P49915
Cytogenetics:	3q25.31
MW:	76.7 kDa