

Product datasheet for **RC201775A1V**

Human GNPAT (NM_014236) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human GNPAT (NM_014236) AAV Particle
Tag:	Myc-DDK
Symbol:	GNPAT
Synonyms:	DAP-AT; DAPAT; DHAPAT; RCDP2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide
Sequence:

>RC201775 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGTCTTCCAGTTTCACTAATCTTATTTCTCCGTTGGCCCAACCAGTCCCAGCGCTGTCGTCTCC
TCTACTCGAAGGAGCTCAAAAAGTGGGATGAGTTTGAAGATATTTTAGAAGAGAGGAGGCATGTCAGTGA
CTTGAAATTTGCAATGAAATGTACACACCTCTGTCTATAAGGGAATTACTCCATGTAAACCAATTGAT
ATTAAATGTAGTGTCTCAATTCTGAGGAGATTCATTATGTCATTAAACAGCTTTCCAAGGAATCCCTTC
AATCTGTGGATGCTCCGAGAGGAAGTGAAGTGAATCTAGATGAAATGAGTCAAACTGCGTCTTGG
AGCCATTCGGTTTTGTGCCTTACCCTGAGCAAAGTATTTAAACAAATTTCTCGAAGGTGTGTGTAAT
GAAGAAGGTATTCAGAACTACAAGAGCCATCCAGGAGCATCCTGTTGTTCTGCTGCCTAGTCATCGAA
GTTACATTGACTTCTCATGTTGTCTTTCTTCTATAACAATTATGATTTGCCTGTGCCAGTTATAGCAGC
AGGAATGGACTTCTGGGAATGAAAATGGTTGGTGAAGTGTACGAATGTCGGGTGCCTTTTTCATGCGG
CGTACCTTTGGTGGCAATAAACTCTACTGGGCTGTATTCTCTGAATATGTAAAACTATGTTACGGAATG
GTTATGCTCCTGTTGAATTTTCTCGAAGGGACAAGAAGCCGCTCTGCCAAGACATTGACTCCTAAATT
TGGTCTTCTGAATATTGTGATGGAGCCATTTTAAAAAGAGAAGTTTTGATACCTACCTGTCCCAATT
AGTATCAGTTATGATAAGATCTTGAAGAACTCTTTATGTGTATGAGCTTCTAGGGTTCTTAAACCA
AAGAATCTACAAGTGGTTGCTGAAAGCCAGAAAGATTCTCTGAAAATTTGGAAGCATCCATGTGTA
CTTTGGAGATCCTGTGTCACTTCGATCTTTGGCAGCTGGGAGGATGAGTCGGAGCTCATATAACTTGGT
CCAAGATACATTCCTCAGAAACAGTCTGAGGACATGCATGCCTTTGTCACTGAAGTTGCCTACAAATGG
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GCCATCCATGGACTTTGATGCTCTGGTGGAAAAGACTTTATGGCTAAAAGGCTTAACCCAGGCATTTGGA
GGGTTTCTCATTTGGCCTGATAATAAACCTGCTGAAGAAGTTGTCCCGGCCAGCATTCTTCTGCATTCCA
ACATTGCCAGCCTTGTCAAAGACCAGGTGATTCTGAAAGTGGACTCCGGAGACTCGGAAGTGGTCGATGG
GCTTATGCTCCAGCACATCACTCTCCTCATGTGCTCAGCTTATAGGAACCAGCTGCTCAACATTTTGTG
CGCCATCCTTAGTAGCAGTAGCATTGCAGATGACACCAGGGTTCAGGAAAGAGGATGTCTACAGTTGCT
TTCGCTTCCTACGTGATGTTTTGCAGATGAGTTCATCTTCTCCAGGAAACACACTAAAGGACTTTGA
AGAAGGCTGTTACCTGCTTTGTAAAAGTGAAGCCATACAAGTACTACGAAAGACATCCTAGTTACAGAG
AAAGGAAATACTGTGTTAGAATTTTAGTAGGACTCTTTAAACCTTTTGTGGAAGCTATCAGATAATTT
GCAAGCACCTTTTGAAGTGAAGAAGAGGACCACTTCAGTGAGGAACAGTACTTGGCTGCAGTCAGAAAATT
CACAAGTCAGCTTCTCGATCAAGGTACCTCTCAATGTTATGATGTATTATCTTCTGATGTGCAGAAAAAC
GCCTTAGCAGCCTGTGTGAGGCTCGGAGTAGTGGAGAAGAAGATAAATAAAGTGTATTTAATG
TGAATGAACCTGCCACAACCAAAATTAGAAGAAATGCTTGGTTGTAAGACCAATAGGAAAACAGCCAC
TGCAAACTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC201775 protein sequence Red=Cloning site Green=Tags(s) MESSSSNSYFSVGPTSPSAVVLLYSKELKKWDEFEDILEERRHVSDLKFAMKCYTPLVYKGITPCKPID IKCSVLNSEEIHVYIKQLSKESLQSVDLREEVSEILDEMSHLRLGAIRFCAFTLSKVFKQIFSKVCVN EEGIQKLQRAIQEHPVLLPSHRSYIDFLMLSFLLYNYDLPVPVIAAGMDFLGMKMGELLRMSGAFFMR RTFGGNKLYWAVFSEYVKTMLRNGYAPVEFFLEGTRSRSAKTLTPKFGLLNIVMEPFFKREVFDLYLVI SISYDKILEETLYVYELLGVKPKKESTTGLLKARKILSENFSGSIHVYFGDPVSLRSLAAGRMSRSSYNLV PRYIPQKQSEDMHAFVTEVAYKMELLQIENMVLSPWTLIVAVLLQNRPSMDFDALVEKTLWLKGLTQAFG GFLIWPDNKPAEEVVPASILLHSNIASLVKDQVILKVDSGDSEVVDGLMLQHITLLMCSAYRNQLLNIFV RPSLVAVALQMTPGFRKEDVYSCFRFLRDVFADEFIFLPGNTLKDFEEGCYLLCKSEAIQVTTKDILVTE KGNTVLEFLVGLFKPFVESYQIICKHLLSEEDHFSEEQYLA AVRKFTSQLLDQGTSQCYDVLSSDVQKN ALAACVRLGVVEKKKINNNCIFNVNEPATTKLEEMLGCKTPIGKPATAKL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_014236
ORF Size:	2040 bp
Buffer:	PBS with 0.001% Pluronic F5230
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_014236.2</u>
RefSeq Size:	2687 bp
RefSeq ORF:	2043 bp
Locus ID:	8443
UniProt ID:	<u>O15228</u>
Cytogenetics:	1q42.2
MW:	77.2 kDa