

Product datasheet for **RC209119A1V**

Human GPT2 (NM_133443) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human GPT2 (NM_133443) AAV Particle
Tag:	Myc-DDK
Symbol:	GPT2
Synonyms:	ALT2; GPT 2; MRT49; NEDSPM
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC209119 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGCAGCGGGCGGCGGCTGGTCCGGCGGGGTGTGGTCCCCGACCCAGCTCCTGGGGCCGACGCC
 AGAGCAGCGCGGCCGCCGAGGCTCGGGCGGTGCTCAAGGTGCGGCCGAGCGCAGCCGGCGCAGCGCAT
 CCTCACGCTGGAGTCCATGAACCCGAGGTGAAGGCGGTGGAGTACGCCGTGCGGGGACCCATCGTGCTC
 AAGGCCGGCGAGATCGAGCTCGAGCTGCAGCGGGGTATCAAAAAGCCATTACAGAGGTATCCGAGCCA
 ACATCGGGGACGCCAGGCTATGGGGCAGCAGCAATCACCTTCTCCGCGAGGTGATGGCACTATGCAC
 CTACCCAAACCTGCTGGACAGCCCCAGTTCCAGAAGATGCTAAGAAACGTGCCCGCGGATCTGCAG
 GCTTGTGGCGGGAACAGCCTGGGGTCTACAGTCTAGCCAGGGTGTCAACTGCATCCGTGAAGATGTGG
 CTGCTACATACCAGGAGGGATGGCGGTGTGCTGCGGACCCGACAACATCTACCTGACCACGGGAGC
 TAGTGACGGCATTCTACGATCCTGAAGATCCTCGTCTCCGGGGCGGCAAGTACCGACAGGTGTGATG
 ATCCCCATCCCAATATCCCCTCTATTAGCTGTCTCTGAGCTCGACGCCATCCAGGTGAATTACT
 ACCTGGACGAGGAGAACTGCTGGGCGCTGAATGTGAATGAGCTCCGGCGGGCGGTGCAGGAGGCCAAAGA
 CCACTGTGATCCTAAGGTGCTCTGCATAATCAACCCTGGGAACCCACAGGCCAGGTACAAGCAGAAAG
 TGCATAGAAGATGTGATCCACTTTGCCTGGGAAGAGAAGCTCTTCTCCTGGCTGATGAGGTGTACCAGG
 ACAACGTGTACTCTCCAGATTGCAGATTCCACTCCTTCAAGAAGGTGCTGTACGAGATGGGGCCCGAGTA
 CTCCAGCAACGTGGAGCTCGCTCCTTCCACTCCACCTCAAGGGCTACATGGGCGAGTGTGGTTACAGA
 GGAGGTACATGGAGGTGATCAACCTGCACCTGAGATCAAGGGCCAGCTGGTGAAGCTGCTGTGCGTGC
 GCCTGTGCCCCCAGTGTCTGGGCAGGCCGCCATGGACATTGCTGTAACCCCCCGGTGGCAGGAGAGGA
 GTCCCTTTGAGCAATTCAGCCGAGAGAAGGAGTCCGTCTGGGTAACTTGGCCAAAAAGCAAAGCTGACG
 GAAGACCTGTTTAACCAAGTCCAGGAATTCAGTCAACCCCTTGCAGGGGGCCATGTACGCCTTCCCTC
 GGATCTTCATTCTGCCAAAGCTGTGGAGGCTGCTCAGGCCCATCAAATGGCTCCAGACATGTTCTACTG
 CATGAAGCTCCTGGAGGAGACTGGCATCTGTGCTGCGCCGCGCAGTGGCTTTGGGCGAGGGAAGGCACT
 TACCATTCCAGGATGACTATCTCCCTCCAGTGGAGAAGCTGAAAACGGTGTGCAGAAGGTGAAAGACT
 TCCACATCAACTTCTGGAGAAGTACGCG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209119 protein sequence
 Red=Cloning site Green=Tags(s)

MQRAAALVRRGCGPRTSPSSWGRSQSSAAAEASAVLKVRPERSRRERILTLESMNPQVKAVEYAVRGPIVL
 KAGEIELELQRGIKKPFTEVIRANIGDAQAMGQPIITFLRQVMALCTYPNLLDSPSPEDAKKRARRILQ
 ACGGNSLGSYSASQGVNCIREDAAYITRRDGGVPADPDNIYLTGASDGISTILKILVSGGKSRTGVM
 IPIQYPLYSAVISELDAIQVNYLDEENCWALNVNELRRVQEAQKDHCDPKVLCIINPGNPTGQVQSRK
 CIEDVIHFAWEEKLFLLADEVYQDNVYSPDCRFHFSFKVLVYEMGEYSSNVELASFHSTSKGYMGECCYR
 GGYMEVINLHPEIKGQLVKLLSVRLCPPVSGQAAMDIVNPPVAGEESFEQFSREKESVLGNLAKKAKLT
 EDLFNQVPGIHCNPLQGAMYAFPRIFIPAKAVEAAQAHQMAPDMFYCMKLEETGICVVPGSGFGQREGT
 YHFRMTILPPVEKLKTVLQKVDFHINFLEKYA

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_133443

ORF Size:

1569 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_133443.1</u>
RefSeq Size:	3963 bp
RefSeq ORF:	1572 bp
Locus ID:	84706
UniProt ID:	<u>Q8TD30</u>
Cytogenetics:	16q11.2
MW:	57.9 kDa