

Product datasheet for **RC217016A1V**

Human PDE12 (NM_177966) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human PDE12 (NM_177966) AAV Particle
Tag:	Myc-DDK
Symbol:	PDE12
Synonyms:	2'-PDE; 2-PDE
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC217016 representing NM_177966
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGTGGAGGCTCCCAGGCGCCCGCGCGCTTCGGGTGATCCGGACGGCGGTGGAGAAGCTGAGCCGGG
 CTGAAGCGGGGAGCCAGACAGCGCGGGAGCGATGGAGCGCGCTGTAGTGCCTGCGTACCTTCGGAACC
 CAAGCTGAGCCTGTATTTCGCTTTGGTGATGGTAGCCACAAGAACATGCAGCGCGACCAGAGCGAGCCG
 CTGGGTCGAGTCTCAGCCGATCGCTACCAATGCCCTAAAGGGTCACGCTAAGGCGGCCGCCGCAAGA
 AGAGCAGGAAGAGCCGGCCGAATGCTAGCGGGGTGCGGCCTGTTAGGGCCGGGGCCTGAGCCGGCTGT
 GTTCTGCGAGCCCGTGGTGAAGCTGTACTACGGGAAGAGGCAGTGGCTGAGGACGTGCTCAACGTGGAT
 GCCTGGCAAGACGGCGCGGTGCTGCAGATCGGCGATGTTAAGTACAAGGTGGAGCGCAACCCGCCGCCT
 TCACCGAACTGCAGTTGCCGCGCTACATCATGGCCGGTTCCTGTGTGCCCCAACTCAGCCTCGAATT
 TGGGGATCCCGCAGCTCCCTTTTCGCTGGTATAAGGAAGCCAAAGCCGGAGCGCGGAGCCCGAGGTC
 GGTGTCCCTCGTCATTGTCTCCCTCCTCACCTTCTTCTTCTGGACTGAGACTGATGTGGAGGAGCGTG
 TCTACACCCCGTCCAATGCCGACATCGGGCTAAGGCTCAAGCTTCACTGCACCCAGGCGATGGGAGCG
 CTTTGGGCACAGCCGGGAGTTGGAAAGTGTGTGTGGTAGAGGCTGGGCCTGGCACCTGCATTTTGAC
 CACCGGCATCTCTACGAAGAAGGTGACTGAGGACGCTCTCATCCGACTGTCTTTACAACATCTCGG
 CAGACAGTACGCGCAGACTGAGTTCTCGCAACGGTTCTGTACCCATACTGTGCCCCCTACGCCTGGA
 GCTCGACTACCGCCAGAACCTTATCCAGAAGGAACACCGGCTACAACGCCGATGTATCTGTTTGCAG
 GAGGTTGACCGCGCAGTGTTTTCTGACAGCTTGGTACCCGCCCTAGAGGCCTTCGGGCTCGAGGGGGTGT
 TTCGAATCAAGCAGCACGAAGGCTGGCCATTTCTACGAAAGTCTAAGTTCAGCCTTCTTAGCCAGCA
 TGACATTTTCAATCTACGAAGCCCTCGAGTCCGACCCACTTCACAAAGAACTGCTGGAGAACTAGTTTTG
 TACCCATCAGCGCAGGAGAAGGTGCTCCAGAGATCTTCTGTTCTTCAGGTTTCAGTTCTTCAGTCTACAA
 AGGACTCTTCTAAAAGGATATGTGTTGTAATACCCATCTTTACTGGCATCCTAAAGTGGGTATATTG
 CCTCATTCAAATGGCAGTAGCCTTGGCTCACATAAGACATGTTTCATGTGATCTGTATCTGGCATAACCA
 GTTATATTTTGTGGGACTTTAATAGTACACCATCAACAGGAATGTATCATTTTGTATCAATGGCAGCA
 TTCCAGAGGATCATGAAGACTGGGCTTCCAATGGGAGGAGGAAAGATGCAATATGTCTTTACACATTT
 CTTCAAGCTGAAAAGTGTGTTGGTGAACCTGCTTACACAAATTATGTTGGTGGCTTTCATGGATGTCTA
 GATTACATTTTATTGACTTAAATGCTTTAGAGGTTGAACAGGTGATTCCATTACCTAGTCATGAAGAAG
 TTACCACCCAGGCGCTTACCTAGTGTTCCTATCCCTCTGATCACATAGCACTGTATGTGATTTAA
 ATGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MWRLPGARAALRVIRTAVEKLSRAEAGSQTAAGAMERAVVRCVPSEPKLSLSFALADGSHKNMQRDQSEP
 LGRVLSRIATNALKGHAKAAAKSRKSRPNASGGAACSGPPEPAVFCEPVVKLYYREEAVAEDVLNVD
 AWQDGAVALQIGDVKYKVERNPPAFTELQLPRIYIMAGFPVCPKLSLEFGDPASSLFRWYKEAKPGAAEPEV
 GVPSSLSPSSPSSSWTETDVEERVYTPSNADIGLRLKLHCTPGDQGRFGHSRELESVCVVEAGPGTCTFD
 HRHLYTKKVTEDALIRTVSYNIALDTYAQTEFSRTVLYPYCAPYALELDYRQNLIQKELTGYNADVICLQ
 EVDRAVFSDSLVPALFAFGLGVFRKQHEGLATFYRKSFSLLSQHDISFYEALESPLHKELEKLV
 YPSAQEKVLQRSSVLQSVLQSTKDSSKRICVANHL YWHPKGGYIRLIQMAVALAHIRHVSCDLYPGIP
 VIFCGDFNSTPSTGMHYFVINGSIPEDHEDWASNGEEERCNMSLTHFFKLKSACGEPAYTNYVGGFHGCL
 DYIFIDLNALEVEQVIPLPSHEEVTTHQALPSVSHPSDHIALVCDLKWK

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_177966
ORF Size:	1827 bp
Buffer:	PBS with 0.001% Pluronic F7631
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_177966.4</u>
RefSeq Size:	3923 bp
RefSeq ORF:	1830 bp
Locus ID:	201626
UniProt ID:	<u>Q6L8Q7</u>
Cytogenetics:	3p14.3
MW:	67.2 kDa