

Product datasheet for **MR222175A1V**

Mouse Npas1 (NM_008718) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Npas1 (NM_008718) AAV Particle
Tag:	Myc-DDK
Symbol:	Npas1
Synonyms:	bHLHe11; MOP5
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>MR222175 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGCGACCCCTATCCAGAAGCGGTGGCCGAGGTGAAGTCAAGTGCAGGGGCGGCCGTGGAGCCGGCG
 TCCCCTGGGATTTCCTGCCTGGGCTGATGGTCAAGGCCCGCCCGGACCCTGCCTGCAGGCGCAGCGCAA
 AGAGAAGTCCCGCAACGCTGCGCGCTGGCGACGCGGGAAGGAAATCTGGAGTTCTTCGAGCTAGCCAAG
 CTGCTCCCTCTGCCCGGTGCCATCTCCAGCCAGCTGGACAAGGCGTCCATCGTGCCTCTTAGCGTCACCT
 ACCTCCGCTCGCTCGTTTTGCCGCGCTGGGGCGCCGCCCTGGGGTTCGGGGCGTCGGGCTCCGGC
 TGGCCTCGCCCCAGGCCGCCAGGCCCTGTGGCTCTGGTCTCTGAAGTCTTCGAGCAACACCTAGGTGGA
 CACATCTACAGTCCTTGGATGGCTTCGTTCGCTTTGAACCAGGAAGGAAATTTCTCTACATCTCAG
 AGACAGTGTCCATCTACCTGGGTCTCTACAGGTGGAGCTGACGGGCAGCAGCGTCTTCGACTACATCCA
 TCCTGGGAGCACTCGGAGGTCTAGAGCAACTTGGATTGCGGGCTGCAAGCATCGGTCCCCCTACACCA
 CTTTCCGTGTCTCTCTCTCATCGTCTTCTCTCGCTGGTGGACACCCCTGAGATTGAAGCCAGCC
 CCACCGAGGCATCGCCTGCCTTCCGAGCCCAAGAGCGGTCTTCTTTGTCGCGATGAAGTCCACCCTCAC
 CAAGAGGGGCTGAATGTCAAAGCCTCGGGGTACAAGGTATTTCATGTGACAGGGCGCCTGAGGGCCCGA
 GCCCTGGGTCTTGTAGCCCTTGACACACGCTGCCCCAGCCCCACTGGCTGAGCTGCCTTTGCACGGAC
 ACATGATTGTCTTCCGCTCAGCCTGGGCTCACCATCTTGTGTGAGAGCAGAGTTAGCGACCATAT
 GGACATGGGGCCCTCAGAGCTTGTGGGACGAGCTGTACAGTTTGTTCATGGACAGGATGCAACCAGG
 ATCCGCCAAAGCCATCTGGACCTGTGGACAAAGGCGAGGTGGTACTGGTACTACCGTTGGCTGCAGC
 GTGCGGGGGCTTCGTGTGGCTGAGTGTAGCCACTGTGGCCGGAACGGGAAGAGCACTGGGGAGCA
 TCACGTCTGTGGGTGAGTCACGTGCTCAGCAATGCTGAAGGTAGTCAAACACCCCTGGATGCCTTCCAG
 CTTCCAGCTATTGTGTCTCAGGAGGAGCATCCAGGCCAGGCCAGGCCACAGAGGAAGAGCCTCCAG
 TTGACGGGAAGCAGGCTGTGCCTGCGGACCAGGACAAGGACAAGGACCCTCAGGCCCGAGGCAACGCAT
 CAAAGTGGAGGCCAGCCGAAGGAAGCTAGAGGCTCAGAGGACAGTGGAGAAGAGGAGCTCTCGGATCCA
 CCGGCTCCACCTCGGCCAGAATTCACTTCTGTATCCGGGCGGGAGCCCTGAAGCATGATCCAGTGTGC
 CGTGGGGCTTGACAACTCCCGGAGACCCCTACCCGCCCTCTTCATGCAGGCTTCTGCCACCCGTTGT
 GCGGGGCTGTGACCCAGGCACCATCCGCTATGGCCCTGCGGAGTTGAGCCTGATGTATCCACATCTG
 CACAGGCTGGGCGCAGGCCCTCGCTTCCAGAGGCCTTTACCCTACGCTGGGCTTGCCTATCCGGGGC
 CCACAGGTAAGGGTGCAGCGGAAGGGAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222175 protein sequence
 Red=Cloning site Green=Tags(s)

MATPYPRSGGRGEVKCGGGRGAGVPWDFLPGLMVKAPPGPCLQAQRKEKSRNAARWRRGKENLEFFELAK
 LLPLPGAISSQLDKASIVRLSVTYLRLRRFAALGAPPWGLRAVGPPAGLAPGRRGPVALVSEVFQHLGG
 HILQSLDGFVFALNQEGKFLYISETVSIYLGLSQVELTGSSVFDYIHPGDHSEVLEQLGLRAASIGPPTP
 PSVSSSSSSSSSLVDTPETIEASPTASPAFRAQERSFFVRMKSTLTKRGLNVKASGYKVIHVTGRLRAR
 ALGLVALGHTLPPAPLAEPLHGHMIVFRLSLGLTILACESRVSDHMDMGPSSELVGRSCYQFVHQDATR
 IRQSHLDLLDKQVVTGYRQLRAGGFVWLQSVATVAGNGKSTGEHVLWVSHVLSNAEGSQTPDAFQ
 LPAIVSQEESRPGPEPTTEEPVVGKQAVPADQDKDPQARGKRIKVEASPKAARGSEDSGEEELSDP
 PAPPREFTSVIRAGALKHDPVLPWGLTTPGDPSPALLHAGFLPPVVRGLCTPGTIRYGAELSLMYPHL
 HRLGAGPSLPEAFYPTLGLPYPGPTGTRVQRKGD

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Mouse

Serotype:	AAV-2
ACCN:	NM_008718
ORF Size:	1782 bp
Buffer:	PBS with 0.001% Pluronic F3358
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_008718.2, NP_032744.1</u>
RefSeq Size:	2091 bp
RefSeq ORF:	1785 bp
Locus ID:	18142
UniProt ID:	<u>P97459</u>
Cytogenetics:	7 9.14 cM
MW:	63.7 kDa