

Product datasheet for **MR224963A1V**

Mouse Opn5 (NM_181753) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Mouse Opn5 (NM_181753) AAV Particle
Tag:	Myc-DDK
Symbol:	Opn5
Synonyms:	Gpr136; Neuropsin; PGR12; TMEM13
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>MR224963 representing NM_181753 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCCTTGAACCACACTGCCCTACCTCAGGATGAGCGCCTGCCCCACTATCTTCGAGACGAGGACCCCTT
TTGCTTCCAACTTTCTGGGAAGCGGATTTAGTGGCTGGCTTTTACCTAACAAATACGGGATTCTCTC
TACATTTGGAAATGGGTATGTCCTTTATATGCTTCTAGACGCAAGAAGAAGCTGAGACCTGCGGAAATA
ATGACTATCAATTTAGCAGTCTGTGATCTGGGGATATCAGTTGTAGGCAAGCCGTTCCACCATCATCTCTT
GCTTCTGCCACCGCTGGGTGTTTGGCTGGTTTGGCTGCCGCTGGTATGGCTGGGCTGGATTTTCTTTGG
CTGTGGAAGCCTGATTACCATGACTGCTGTGAGCCTGGACCGCTATCTGAAGATCTGTTATCTGTCTTAT
GGGTCTGGCTGAAGAGAAAGCATGCCTACATCTGCCTGGCAGTCATCTGGGCTTATGCTTCCTTCTGGA
CCACCATGCCCTTGGTGGCCTGGGGGACTATGCACCTGAGCCCTTCGGAACCTCATGCACCTGGACTG
GTGGCTGGCCAGGCTTCAGGTGGGGTTCAGGTGTTTCCTGAGCATCCTCTTCTTCTGCCTCCTGCTG
CCAACGGCTGTGATTGTTTCTCATATGCTAAGATCATCGCAAGGTGAAGTCTTCTTCTAAAGAGGTAG
CCCATTTGCAGAGTCGAATCCATAGCAGCCATGTAAGTGTAGGTGAAGCTGACCAAGGTGGCAATGCTGAT
TTGTGCTGGTTTCTGATTGCCTGGATTCTTATGCGGTCGTCTCTGTGTGGTCAGCTTTTGAAGGCCA
GACTCCATCCCATACAGCTCTCCGTGGTGGCCACACTCCTTGCAAAATCAGCAGCGATGTACAATCCAA
TCATCTACCAGGTCATTGATTACAGATTGCTGTTGCCAGGCTGGTGGTTTGAAGGAACGAAGAAGAA
ATCTTTGGAAGACTTTAGGCTGCATACTGTAACCGCAGTCAGGAAGTCTTCTGCTGTGCTGGAGATCCAT
CCAGAGAGCAGTTCAGATTTACTAGTGCCCATGTTATGGATGGAGAGAGTCACAGTAATGATGGTGACT
GTGGCAAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence:	>MR224963 representing NM_181753 Red=Cloning site Green=Tags(s) MALNHTALPQDERLPHYLRDEDPFASKLSWEADLVAGFYLTIIIGILSTFGNGYVLYMSSRRKKLRPAEI MTINLAVCDLGISVVGKPFITII SCFCHRWVFGWFGCRWYGWAGFFFGCGSLITMTAVSLDRYLKICYLSY GVWLKRKHAYICLAVIWAYASFWTMTPLVGLGDYAPEPFGTCTLDWWLAQASGGGQVFILSILFFCLLL PTAVIVFSYAKIIAKVKSSSKEVAHFDSRIHSSHVLEVKLT KVAMLICAGFLIAWIPYAVVSVWSAFGRP DSIPIQLSVVPTLLAKSAAMYNPIIYQVIDYRFACCGAGGLRGTKKKSLEDFRLHTVTAVRKSSAVLEIH PESSSRFTSAHVMDGESHSNDGDCGKK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Mouse
Serotype:	AAV-2
ACCN:	NM_181753
ORF Size:	1131 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_181753.4, NP_861418.2</u>
RefSeq Size:	1824 bp
RefSeq ORF:	1134 bp
Locus ID:	353344
UniProt ID:	<u>Q6VZZ7</u>
Cytogenetics:	17 B3
MW:	42.5 kDa