

Product datasheet for **RC219287A1V**

Human OPN1MW (NM_000513) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human OPN1MW (NM_000513) AAV Particle
Tag:	Myc-DDK
Symbol:	OPN1MW
Synonyms:	CBBM; CBD; COD5; GCP; GOP; OPN1MW1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC219287 representing NM_000513 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCCCAGCAGTGGAGCCTCCAAAGGCTCGCAGGCCGCCATCCGCAGGACAGCTATGAGGACAGCACCC
AGTCCAGCATCTTCACCTACACCAACAGCAACTCCACCAGAGGCCCTTCGAAGGCCGAATTACCACAT
CGCTCCAGATGGGTGTACCACCTCACCAGTGTCTGGATGATCTTTGTGGTCATTGCATCCGTTTTCACA
AATGGGCTTGTGCTGGCGGCCACCATGAAGTTCAAGAAGCTGCGCCACCCGCTGAACCTGGATCCTGGTGA
ACCTGGCGGTGCTGACCTGGCAGAGACCGTCATCGCCAGCACTATCAGCGTTGTGAACAGGTCTATGG
CTACTTCTGTGCTGGGCCACCCTATGTGTGCTCTGGAGGGCTACACCGTCTCCCTGTGTGGGATCACAGGT
CTCTGGTCTCTGGCCATCATTTCTGGGAGAGATGGATGGTGGTCTGCAAGCCCTTTGGCAATGTGAGAT
TTGATGCCAAGCTGGCCATCGTGGGCATTGCCTTCTCCTGGATCTGGGCTGCTGTGTGGACAGCCCCGCC
CATCTTTGGTTGGAGCAGGTACTGGCCCCACGGCCTGAAGACTTCATGCGGCCCAGACGTGTTACAGCGC
AGCTCGTACCCCGGGGTGCAGTCTTACATGATTGTCTCATGGTACCTGCTGCATACCCCACTCAGCA
TCATCGTGTCTGCTACCTCAAGTGTGGCTGGCCATCCGAGCGGTGGCAAAGCAGCAGAAAGAGTCTGA
ATCCACCCAGAAGGCAGAGAAGGAAGTACGCGCATGGTGGTGGTATGGTCTGGCATTCTGCTTCTGC
TGGGGACCATAACGCTTCTTCGATGCTTTGCTGCTGCCAACCTGGCTACCCCTTCCACCTTTGATGG
CTGCCCTGCCGCTTCTTTGCCAAAAGTGCCACTATCTACAACCCGTTATCTATGTCTTTATGAACCG
GCAGTTTCGAAACTGCATCTTGAGCTTTTCGGGAAGAAGGTTGACGATGGCTCTGAACCTCTCCAGCGCC
TCCAAACGGAGGTCTCATCTGTCTCGGTATCGCTGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence:	>RC219287 representing NM_000513 Red=Cloning site Green=Tags(s) MAQQWSLQRLAGRHPQDSYEDSTQSSIFTYTNSNSTRGPFEGPNYHIAPRWVYHLTSVWMIFVVIASVFT NGLVLAATMKFKKL RHPLNWILVNLAVADLAETVIASTISVVNQVYGYFVLGHMPCVLEGYTVSLCGITG LWSLAIISWERWMVVKPFPGNVRFDAKLAIVGIAFSWIWAAVWTAPPIFGWSRYWPHGLKTSCGPDVFSG SSYPGVQSYMIVLMVTCCITPLSIIIVLCYLQVWLAI RAVAKQQKESESTQKAEKEVTRMVVVMVLAFCFC WGPYAFFACFAANPGYPFHPLMAALPAFFAKSATIYNPVIYVFMNRQFRNCILQLFGKKVDDGSELSSA SKTEVSSVSSVSPA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_000513
ORF Size:	1092 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:	NM_000513.1 , NP_000504.1
RefSeq Size:	1095 bp
RefSeq ORF:	1095 bp
Locus ID:	2652
UniProt ID:	P0DN77
Cytogenetics:	Xq28
MW:	40.4 kDa