

Product datasheet for **RC222804A1V**

Human OPN1SW (NM_001708) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human OPN1SW (NM_001708) AAV Particle
Tag:	Myc-DDK
Symbol:	OPN1SW
Synonyms:	BCP; BOP; CBT
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC222804 representing NM_001708 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAGAAAAATGTCGGAGGAAGAGTTTTATCTGTTCAAAAATATCTCTTCAGTGGGGCCGTGGGATGGGC
CTCAGTACCACATTGCCCTGTCTGGGCCTTCTACCTCCAGGCAGCTTTCATGGGCACTGTCTTCCTTAT
AGGGTCCCACCTCAATGCCATGGTGTGGTGGCCACACTGCGCTACAAAAAGTTGCGGCAGCCCCCAAC
TACATTCTGGTCAACGTGTCTTCGGAGGCTTCTCTCTGCATCTTCTGTCTTCCCTGTCTTCGTCTG
CCAGCTGTAACGGATACTTCGTCTTCGGTCGCCATGTTTGTGCTTTGGAGGGCTTCTGGGCACTGTAGC
AGGTCTGGTTACAGGATGGTCACTGGCCTTCTGGCCTTTGAGCGCTACATTGTCTGTCTGTAAAGCCCTTC
GGCAACTTCCGCTTCAGCTCCAAGCATGCACTGACGGTGGTCTGGCTACCTGGACCATTTGGTATTGGCG
TCTCCATCCCACCCTTCTTTGGCTGGAGCCGGTTCATCCCTGAGGGCCTGCAGTGTCTGTGGCCCTGA
CTGGTACACCGTGGGCACCAATACCGCAGCGAGTCTATACGTGGTCTCTTCATCTTCTGCTTCATT
GTGCTCTCTCCCTCATCTGCTTCTCTACACTCAGCTGCTGAGGGCCCTGAAAGCTGTTGCAGCTCAGC
AGCAGGAGTCAGTACGACCCAGAAGGCTGAACGGGAGGTGAGCCGCATGGTGGTGTGATGGTAGGATC
CTTCTGTGTCTGCTACGTGCCCTACGCGGCCTTCGCCATGTACATGGTCAACAACCGTAACCATGGGCTG
GACTTACGGCTTGTACCATTCCTTCATTCTTCTCCAAGAGTGCTTGCATCTACAATCCCATCATCTACT
GCTTCATGAATAAGCAGTTCCAAGCTTGATCATGAAGATGGTGTGTGGGAAGGCATGACAGATGAATC
CGACACATGCAGCTCCCAGAAAAAGAGTTTCTACTGTCTCGTCTACCAAGTTGGCCCCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence:	>RC222804 representing NM_001708 Red=Cloning site Green=Tags(s) MRKMSEEEFYLFKNISSVGPWDGPQYHIAPVWAFYLQAAFMGTVFLIGFPLNAMVLVATLRYKKLRQPLN YILVNVSFSGGFLLCIFSVFPVFVASCNGYFVFGRHVCALEGFLGTVAGLVTGWSLAFLAFERYIVICKPF GNFRFSSKHALTVVLATWTIGIGVSIPPFFGWSRFIPEGLQCSCGPDWYTVGTYRSESYTWFLFIFCFI VPLSLICFSYTLRLALKAVAAQQQESATTQKAEREVSRMVVVMVGSFCVCYVPYAAFAMYMVNNRNLHGL DLRLVTIPSFSSKACIYNPIIYCFMKNQFQACIMKMVCGKAMTDESDTCSSQKTEVSTVSSTQVGPN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001708
ORF Size:	1044 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_001708.1, NP_001699.1</u>
RefSeq Size:	1101 bp
RefSeq ORF:	1047 bp
Locus ID:	611
UniProt ID:	<u>P03999</u>
Cytogenetics:	7q32.1
MW:	39 kDa