

Product datasheet for **RC213215A1V**

Human **CNGA2** (NM_005140) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CNGA2 (NM_005140) AAV Particle
Tag:	Myc-DDK
Symbol:	CNGA2
Synonyms:	CNCA; CNCA1; CNG2; OCNC1; OCNCa; OCNCALPHA
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC213215 representing NM_005140
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCGAAAAACCAATGGTGTGAAGAGCTCCCCAGCCAATAATCACAACCATCATGCACCTCCTGCCA
 TCAAGGCCAATGGCAAAGATGACCACAGGACAAGCAGCAGGCCCACTCTGCAGCTGACGATGACACCTC
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 TCCTCGAACGTTTTCTGGGCCCTGAAGTCCAGACTGTGACCACACAGGAGGGGGATGGCAAAGGCGACAA
 GGATGGCGAGGACAAAGGCACCAAGAAGAAATTTGAATATTTGTCTTGACCCAGCTGGGGATTGGTAC
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 TCAGTGACCTACAGAAAGGCTACTACCTGGTGTGGCTGGTGTGATTATGTCTCAGATGTGGTCTACAT
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 AGCTAATATCCGCAGCCTGGGCTACTCAGATCTCTTCTGCTTGTCCAAGGATGATCTTATGGAAGCTGTG
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 TGGATGAGAACGAAGTGGCAACCAGCATGGAGGTGACGTGCAGGAGAAGCTAGGGCAGCTGGAGACCAA
 CATGGAACCTTGTACACTCGCTTTGGCCGCTGCTGGCTGAGTACACGGGGGCCAGCAGAAGCTCAAG
 CAGCGCATCACAGTTCTGGAAACCAAGATGAAACAGAACAATGAAGATGACTACCTGTCTGATGGGATGA
 ACAGCCCTGAGCTGGCTGCTGCTGACGAGCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC213215 representing NM_005140 Red=Cloning site Green=Tags(s) MTEKTNGVKSSPANNHNHHAPPAIKANGKDDHRTSSRPHTSAADDDTSSELQRLADVDPQQGRSGFRRIV RLVGIIREWANKNFREEEPRPDSFLERFRGPQLQTVTTQEGDGKGDGEDGKTKKKFELFVLDPAQDWY YCWLFVIAMPVLYNWCLLVARACFSDLQKGYLVWLVDYVSDVYIADLFIRLRTGFLEQGLLVKDTKK LRDNYIHTLQFKLDVASIIPDLYFAVDIHSPEVRFNRLLHFARMFEFFDRTETRTNYPNIFRISNLVL YILVIIHWNACIYYAISKSIGFVDTWVYPNITDPEYGYLAREYIYCLYWSTLTTLTTIGETPPPVKDEEY LFVIFDFLIGVLIFATIVGNVGSMSNMNATRAEFQAKIDAVKHVMQFRKVSKEAKVIRWFDLWTK KTVDEREILKNLPAKLRAEIAINVHLSTLKKVRIFHDCEAGLLVELVLKLRPQVSPGDYICRKGDIGKE MYIIEGKGLAVADDGVTQYALLSAGSCFGEISILNIKSGKMGNNRTANIRSLGYSDLFCLSKDDLMEAV TEYPDAAKKVLEERGRELKMEGLLDENEVATSMEDVDQEKLGQLETNMETLYTRFGRLLAEYTGAAQKLLK QRITVLETMKQNNEDDYLSDGMNSPELAAADEP* TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_005140
ORF Size:	1992 bp
Buffer:	PBS with 0.001% Pluronic F7009
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_005140.1, NP_005131.1</u>
RefSeq Size:	3285 bp
RefSeq ORF:	1995 bp
Locus ID:	1260
UniProt ID:	<u>Q16280</u>
Cytogenetics:	Xq28
MW:	75.9 kDa