

Product datasheet for **RC205642A1V**

Human Calpain 2 (CAPN2) (NM_001748) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Calpain 2 (CAPN2) (NM_001748) AAV Particle
Tag:	Myc-DDK
Symbol:	CAPN2
Synonyms:	CANP2; CANPL2; CANPml; mCANP
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC205642 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGGCATCGCGCCAAGCTGGCGAAGGACCGGGAGGCGGCCGAGGGCTGGGCTCCCACGAGAGGG
CCATCAAGTACCTCAACCAGGACTACGAGGCGCTGCGGAACGAGTGCCTGGAGGCCGGGACGCTCTTCCA
GGACCCGTCCTTCCCGGCCATCCCTCGGCCCTGGGCTTCAAGGAGTTGGGGCCCTACTCCAGCAAAACC
CGGGGCATCGAGTGGAAGCGCCCCACGGAGATCTGCGCTGACCCCGAGTTTATCATTGGAGGAGCCACCC
GCACAGACATCTGCCAAGGAGCCCTAGGTGACTGCTGGCTGCTGGCAGCCATTGCCTCCCTCACCTTGAA
TGAAGAAATCTGGCTCGAGTCGTCCCTTAACCCAGAGCTTCCAGGAAACTATGCAGGGATCTTTAC
TTCCAGTTCTGGCAATACGGCGAGTGGTGGAGGTGGTGGTGGATGACAGGCTGCCACCAAGGACGGGG
AGCTGCTCTTTGTGATTAGCCGAAGGAGCGAGTTCTGGAGCGCCCTGCTGGAGAAGGCATACGCCAA
GATCAACGGATGCTATGAAGCACTATCAGGGGGTGCCACCACTGAGGGCTTCAAGACTTCACCGGAGGC
ATTGCTGAGTGGTATGAGTTGAAGAAGCCCCCTCCCAACCTGTTCAAGATCATCCAGAAAGCTCTGCAAA
AAGGCTCTCTCTTGGCTGCTCCATCGACATCACCAGCGCCGCGGACTCGGAGGCCATCAGTTTTAGAA
GCTGGTGAAGGGGACGCGTACTCGGTACCGGAGCCGAGGAGGTTGAAAGTAACGGAAGCCTACAGAAA
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GATACCTACAAGAAGTGGAACTCACCAAAATGGATGGAACTGGAGGCGGGCTCCACCGCGGGAGGTT
GCAGGAACTACCGAACACATTCTGGATGAACCTCAGTACCTGATCAAGCTGGAGGAGGAGATGAGGA
CGAGGAGGATGGGGAGAGCGGCTGCACCTTCTGGTGGGGCTCATTAGAAAGCACCGACGCGGCGAGAGG
AAGATGGGCGAGGACATGCACACCATCGGCTTTGGCATCTATGAGGTTCCAGAGGAGTTAAGTGGGCAGA
CCAACATCCACCTCAGCAAAACTTCTTCTGACGAATCGCGCCAGGGAGCGCTCAGACACCTTCATCAA
CCTCCGGGAGGTGCTCAACCGCTTCAAGCTGCCGCCAGGAGAGTACATTCTCGTGCCTTCCACCTTCGAA
CCCAACAAGGATGGGGATTTCTGCATCCGGGTCTTTCTGAAAAGAAAGCTGACTACCAAGCTGTCGATG
ATGAAATCGAGGCCAATCTTGAAGAGTTCGACATCAGCGAGGATGACATTGATGATGGATTGAGGAGCT
GTTTGGCCAGTTGGCAGGAGAGGATGCGGAGATCTCTGCCTTTGAGCTGCAGACCATCCTGAGAAGGTT
CTAGCAAAGCGCCAAGATATCAAGTCAGATGGCTTCAGCATCGAGACATGCAAAATTATGGTTGACATGC
TAGATTCGGACGGAGTGGCAAGCTGGGGCTGAAGGAGTTCTACATTCTCTGGACGAAGATTCAAAAATA
CCAAAAAATTTACCGAGAAATCGACGTTGACAGGTCTGGTACCATGAATTCTATGAAATGCGGAAGGCA
TTAGAAGAAGCAGGTTTCAAGATGCCCTGTCAACTCCACCAAGTCATCGTTGCTCGGTTTGCAGATGACC
AGCTCATCATCGATTTTGATAATTTTGTTCGGTGTGGTTGCGCTGGAAACGCTATTCAAGATATTTAA
GCAGCTGGATCCCGAGAATACTGGAACAATAGAGCTCGACCTTATCTCTTGGCTCTGTTTCTCAGTACTT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC205642 protein sequence Red=Cloning site Green=Tags(s) MAGIAAKLAKDREAAEGLGSHERAIKYLNQDYEARNECLEAGTLFQDPSFPAIPSAIGFKELGPIYSSKT RGI EWKRPT EICADPQFIIGGATRTDICQALGDCWLLAAIASLTNNEILARVPLNQSFQENYAGIFH FQFWQYGEWVEVVDDRLPTKDGELLFVHSAEGSEFWSSALLEKAYAKINGCYEALSGGATTEGFEDFTGG IAEWYELKKPPNLFKIIQKALQKGSLLGCSIDITSAADSEAITFQKL VKGHAYSVTGAE EESNGSLQK LIRIRNPWGEVETGRWNDNCPSWNTIDPEERERL TRRHEDGEFWMSFSDFLRHYSRLEICNLTPDTLTS DTYKKWKLTKMDGNWRRGSTAGGCRNYPNTFWMNPQYLKLEEEDEDEEDGESGCTFLVGLIQKHRRRQR KMGEDMHTIGFGIYEVPEELSGQTNIHLSKNFFLTNRARERSDTFINLREVLNRFKLPPGEYILVPSTFE PNKDGDFCIRVFSEKKADYQAVDDEIEANLEEFDISEDDIDDGFRRLFAQLAGEDAEISAFELQILRRV LAKRQDIKSDGFSIETCKIMVDMLSDSGSKGLGLKEFYILWTKIQKYQKIYREIDVDRSGTMNSYEMRKA LEEAGFKMPCQLHQVIVARFADDQLIIDFDNFVRCLVRLETFLKIFKQLDPENTGTIELDLISWLCFSVL SGP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001748
ORF Size:	2100 bp
Buffer:	PBS with 0.001% Pluronic F5741
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_001748.3
RefSeq Size:	3492 bp
RefSeq ORF:	2103 bp
Locus ID:	824
UniProt ID:	P17655
Cytogenetics:	1q41
MW:	80 kDa