

Product datasheet for **RC200964A1V**

Human Calpain 1 (CAPN1) (NM_005186) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Calpain 1 (CAPN1) (NM_005186) AAV Particle
Tag:	Myc-DDK
Symbol:	CAPN1
Synonyms:	CANP; CANP1; CANPL1; muCANP; muCL; SPG76
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC200964 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCGGAGGAGATCATCACCCGGTGTACTGCACTGGGGTGTACGCCAAGTGCAGAAGCAGCGGGCCA
GGGAGCTGGGCTGGGCCGCCATGAGAAATGCCATCAAGTACCTGGGCCAGGATTATGAGCAGCTGCGGGT
GCGATGCCTGCAGAGTGGGACCCTCTTCGGTGATGAGGCCTTCCCCCGGTACCCAGAGCCTGGTTAC
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ACCCCAAGTTCATTGTGGATGGAGCTACCCGCACAGACATCTGCCAGGGAGCACTGGGGGACTGCTGGCT
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TTCCAGAATGGCTATGCCGGCATCTCCATTTCCAGCTGTGGCAATTTGGGGAGTGGGTGGACGTGGTCG
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GAGCGCCTGCTTGAGAAGGCCTATGCCAAGGTAAATGGCAGCTACGAGGCCCTGTGAGGGGCGAGCACC
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TCTACCAGATCATCCTCAAGGCCTGGAGCGGGGCTCCCTGCTGGGCTGCTCCATAGACATCTCCAGCGT
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CGGGAGCCTGGAGCGACAGCTCCTCAGAGTGAACAACGTGGACCCATATGAACGGGACCAAGTCCGGGT
CAAGATGGAGGACGGGGAGTTCTGGATGTCATTCCGAGACTTCATGCGGGAGTTACCCGCCTGGAGATC
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CCTGGCGCGGGGAGCACCGCGGGGGCTGCCGAACTACCCAGCCACCTTCTGGGTGAACCCCTCAGTT
CAAGATCCGGCTGGATGAGACGGATGACCCGGACGACTACGGGGACCGCGAGTCAGGCTGCAGCTTCGTG
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CGGTCTACGAGGTCCCTCCGGAGCTGGTGGGCCAGCGGCCGTACACTTGAAGCGTGACTTCTTCTGGC
CAATGCGTCTCGGGCGCGCTCAGAGCAGTTCAACCTGCGAGAGGTGAGCACCCGCTTCGCCTGCCA
CCCGGGGAGTATGTGGTGGTGCCTCCACCTTCGAGCCCAACAAGGAGGGCGACTTCGTGCTGCGCTTCT
TCTCAGAGAAGAGTGCTGGGACTGTGGAGCTGGATGACCAGATCCAGGCCAATCTCCCCGATGAGCAAGT
GCTCTCAGAAGAGGAGATTGACGAGAACTTCAATGCCCTTTCAGGCAGCTGGCAGGGGAGGACATGGAG
ATCAGCGTGAAGGAGTTCGGGACAATCCTCAATAGGATCATCAGCAAACACAAAGACCTGCGGACCAAGG
GCTTCAGCCTAGAGTCGTGCCGACGATGGTGAACCTCATGGATCGTGATGGCAATGGGAAGCTGGGCCT
GGTGGAGTTCAACATCCTGTGGAACCGCATCCGGAATTACCTGTCCATCTTCCGGAAGTTTGACCTGGAC
AAGTCGGGCAGCATGAGTGCCTACGAGATGCGGATGGCATTGAGTCGGCAGGCTTCAAGCTCAACAAGA
AGCTGTACGAGCTCATCATACCCGCTACTCGGAGCCGACCTGGCGTTCGACTTTGACAATTTGTTTTG
CTGCTGGTGGGCTAGAGACCATGTTCCGATTTTCAAACCTCTGGACACAGATCTGGATGGAGTTGTG
ACCTTTGACTTGTTAAGTGGTTGCAGCTGACCATGTTTGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC200964 protein sequence Red=Cloning site Green=Tags(s) MSEIIITPVYCTGVSAQVQKQRARELGLGRHENAICYLGQDYEQLRVRCQLSGTLFRDEAFPPVPQSLGY KDLGPNSSKTYGIKWKRPTTELLSNPQFIVDGATRTDICQALGDCWLLAAIASLTLNDTLLHRVPHGQS FQNGYAGIFHFQLWQFGEWVDVVDDLLPIKDGKLVFVHSAEGNEFWSALLEKAYAKVNGSYEALSGGST SEGFEDFTGGVTEWYELRKAPSDLYQIILKALERGSLLGCSIDISSVLDMEAITFKKLVKGHAYSVTGAK QVNYRGQVVSILRMNPWGEVEWTGAWSDDSSSEWNNVDPYERDQLRVKMEDGEFWSFRDFMREFTRLEI CNLTPDALKSRTIRKWNTTLYEGTWRRGSTAGGCRNYPATFWVNPQFKIRLDETDDPDDYGDRESGCSFV LALMQKHRRRRRRFGRDMETIGFAVYEVPELVGQPAVHLKRDFFLANASRARSEQFINLREVSTRFRLP PGEYVVVPSTFEPNKEGDFVLRFFSEKSAGTVELDDQIQANLPDEQVLSSEEEIDENFNALFRQLAGEDME ISVKELRTILNRIISKHKDLRTKGFSLSCRSMVNLMDRDGNGKLGLEFVNILWNRIRNYLSIFRKFDLD KSGSMSAYEMRAIESAGFKLNKKLYELIITRYSEPDLAVDFDNFVCCLVRLTMRFFKTLDTLDLGGV TFDLFKWLQLTMFA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_005186
ORF Size:	2142 bp
Buffer:	PBS with 0.001% Pluronic F5143
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_005186.2</u>
RefSeq Size:	3110 bp
RefSeq ORF:	2145 bp
Locus ID:	823
UniProt ID:	<u>P07384</u>
Cytogenetics:	11q13.1
MW:	81.9 kDa