

Product datasheet for **RC202045A1V**

Human Calpain 5 (CAPN5) (NM_004055) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Calpain 5 (CAPN5) (NM_004055) AAV Particle
Tag:	Myc-DDK
Symbol:	CAPN5
Synonyms:	ADNIV; HTRA3; nCL-3; VRNI
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC202045 representing NM_004055
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCTCGTGTGAAGCCCTATGAGGACCAGAACTACTCAGCCCTGAGGCGGGACTGCCGGCGCAGGA
 AGGTGCTCTTCGAGGACCCCTCTCCCGCCACTGACGACTCACTCTACTATAAGGGCACGCCGGGGCC
 CGCCGTGAGGTGAAGCGACCCAAGGGCATCTGCGAGGACCCCGCCTCTTTGTGGATGCATCAGCTCC
 CACGACCTGCACAGGGCCAGGTGGGCAACTGCTGTTTGTGGCAGCCTGCTCGTCACTTGCCTCCCGGG
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 CTATGTCATCATCCCCACAACCTTCGAGCCAGGCCACACTGGCGAGTTCTGCTCCGAGTCTTCACTGAT
 GTGCCCTCCAACCTGCCGGGAGCTGCGCCTGGATGAGCCCCACACACCTGCTGGAGCTCCCTCTGTGGCT
 ACCCCCAGCTGGTGACCCAGGTACATGTCTGGGAGCTGCTGGCCTCAAGGACTCCCCAACAGGGGCTAA
 CTCTTATGTGATCATCAAGTGTGAGGGAGACAAAGTCCGCTCGGCTGTGAGAAGGGCACCTCCACACCA
 GAGTACAATGTGAAAGGCATCTTCTACCGCAAGAAGCTGAGCCAGCCCATCACTGTACAGGTCTGGAACC
 ACCGAGTGCTGAAGGATGAATTTCTGGGCCAGGTGCACCTAAAGGCTGACCCGGACAACCTCCAGGCCCT
 GCATACCTCCACCTCCGGGACCGAAATAGCCGGCAGCCAGCAACCTGCCAGGCACTGTGGCCGTGCAC
 ATTCTCAGCAGCACCTCCCTCATGGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC202045 representing NM_004055 Red=Cloning site Green=Tags(s) MFSCVKPYEDQNYLSALRRDCRRRKVLFEPLFPATDDSLYYKGTGPAVRWKRPKGICEDPRLFVDGISS HDLHQGVQVGNCFVAAACSSLASRESLWQKVIPDWKEQEWDPKPNAYAGIFHFHFWRFGEWVDVDDRL PTVNNQLIYCHSNRNEFWCALVEKAYAKLAGCYQALDGGNTADALVDFTEGGVSEPIDL TEGDFANDETK RNQLFERMLKVHSRGGIISASIKAVTAADMEARLACGLVKGHAYAVTDVRKVRGLGHLLAFFKSEKLDI RLRNPWGEREWNGPWSDTSEEWQKVSSEKEMGVTVQDDGEFWMTFEDVCRYFTDI IKCRVINTSHLSI HKTWEEARLHGAWTLHEDPRQNRGGGGINHKDTFFQNPQYIFEVKKPEDEVLCIQRPKRSTRREGKGE NLAIGFDIYKVEENRQYRMHSLQHKAAASSIYINSRSVFLRTDQPEGRYVIPTTFEPGHTGEFLRVFTD VPSNCRELRLEPPHTCWSSLCGYPQLVTQVHVLGAAGLKDSPTGANSYVIKCEGDKVRSVQKGTSTP EYNVKGIFYRKLSQPI TVQVWNRVLKDEFLGQVHLKADPDNLQALHTLHLDRNSRQPSNLPGTVAHV ILSSTSLMAV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_004055
ORF Size:	1920 bp
Buffer:	PBS with 0.001% Pluronic F5269
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_004055.3</u>
RefSeq Size:	3275 bp
RefSeq ORF:	1923 bp
Locus ID:	726
UniProt ID:	<u>O15484</u>
Cytogenetics:	11q13.5
MW:	73 kDa