

Product datasheet for **RC224179A1V**

Human Calpain 10 (CAPN10) (NM_023085) AAV Particle

Product data:

Product Type:	AAV Particles
Tag:	Myc-DDK
Symbol:	Calpain 10
Synonyms:	CANP10; NIDDM1
Mammalian Cell	None
Selection:	
Vector:	pAAV-AC-Myc-DDK (PS100089)



ORF Nucleotide Sequence: >RC224179 representing NM_023085
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGCGGGCGGGCGGGGCGGACGCCGGCGAGGGAGCTGTTCCGGGACGCCCTTCCCGCCGCGGACT
 CCTCGCTCTTCTGCGACTTGTCTACGCCGCTGGCCAGTTCGCGGAGGACATCACGTGGAGGCGGCCCA
 GGAGATTTGTGCCACACCCCGCTGTTCCAGATGACCCACGGGAAGGCGAGGTGAAGCAGGGGCTGCTG
 GGGGATTGTGTTCTGTGTGCTGCGCCGCGCTGCAGAAGAGCAGGCACCTCCTGGACAGGTCAATC
 CTCGGGACAGCCGAGCTGGGCCGACCAGGAGTACCGGGCTCCTTACCTGTGCGATTTGGCAGTTTGG
 ACGCTGGGTGGAGGTGACACAGATGACCGCTGCCGTGCCCTTGAGGGAGAGCTCTGTTTCTCCCGCTGC
 CAGAGGGAGGATGTGTTCTGGCTCCCTTACTGAAAAGGTCTACGCCAAGGTCCATGGGTCTACGAGC
 ACCTGTGGGCCGGGAGGTGGCGGATGCCCTGGTGGACCTGACCGCGGCTGCGAGAAAGTGAACCT
 GAAGGGCGTAGCAGGAAGCGGAGGCCAGCAGGACAGGCCAGGCCGCTGGGAGCACAGGACTTGTGCGCAG
 CTGCTCCACCTGAAGGACAGTGTCTGATCAGCTGCTGCGTCTCAGCCCAGAGCAGGTGCCCGGAGC
 TGGGGGAGTTCCATGCCTTATTGTCTCGGACCTGCGGGAGCTCCAGGGTCAGGCGGGCCAGTGCATCCT
 GCTGCTGCGGATCCAGAACCCTGGGGCCGGCGGTGCTGGCAGGGGCTCTGGAGAGAGGGGGTGAAGGG
 TGGAGCCAGGTAGATGCAGCGGTAGCATCTGAGCTCCTGTCCAGCTCCAGGAAGGGGAGTTCTGGGTGG
 AGGAGGAGGAGTTCTCAGGGAGTTTGACGAGCTCACCGTTGGCTACCGGTACGAGGCGCGCCACCT
 GCAGAGCCTCTACACAGAGAGGCTGCTCTGCCATACGCGGGCGCTGCCTGGGGCTGGGTCAAGGGCCAG
 TCAGCAGGAGGCTGCCGAACAACAGCGGCTTCCAGCAACCCCAAAATCTGGCTGCGGGTCTCAGAAC
 CGAGTGAGGTGTACATTGCCGCTCTGCAGAGATCCAGGCTGCACGCGCGGACTGGGCAGGCCGGCCCCG
 GGCACCTGGTGGGTGACAGTCATACTTCGTGGAGCCAGCGAGCATCCCGGGCAAGCACTACCAGGCTGTG
 GGTCTGCACCTCTGGAAGGTCCAGAGGGTGAAGGAGCCAGGACGACCCCCACTGCTGCTGCAGGAGC
 CGCTGCTGAGCTGCGTGCCACATCGCTACGCCAGGAGGTGAGCCGGCTCTGCCTCTGCTGCGGGCAC
 CTACAAGGTTGTGCCCTCCACCTACCTGCCGACACAGAGGGGGCCTTACAGTGACCATCGCAACCAGG
 ATTGACAGGCCATCCATTACAGCCAGGAGATGCTGGGCCAGTTCTCCAAGAGGTCTCCGTCATGGCAG
 TGATGAAAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224179 representing NM_023085
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MRAGRATPARELFRDAAPPAADSSFLCDLSTPLAQFREDITWRRPQEIATPRLFPDDPREGQVKQGLL
 GDCWFLCACAAALQKSRHLLDQVIPPQPSWADQEYRGSFTCRIWQFGRWVEVTTDDRLPCLAGRLCFSRC
 QREDVFWLPLEKVYAKVHGSYHLWAGQVADALVDLTGGLAERWNLKGVAGSGGQQDRPGRWEHRTCRQ
 LLHLKDQCLISCCVLSPRAGARELGEFHAFIVSDLRELQGGAGQCILLRIQNPWGRRCWQLWREGGEG
 WSQVDAAVASELLSQLQEGEFWVEEEFLREFDELTVGYPVTEAGHLQSLYTERLLCHTRALPGAWVKGQ
 SAGGCRNNSGFPSNPKFWLRVSEPSEVYIAVLQRSRLHAADWAGRARALVGDSHTSWSPASIPGKHYQAV
 GLHLWKVPEGGRSQDAPPLLLQEPLLSCVPHRYAQEVSRCLLPAGTYKVPSTYLPDTEGAFTVTIATR
 IDRPSIHSQEMLGQFLQEVSVMAVMKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species: Human
Serotype: AAV-2
ACCN: NM_023085
ORF Size: 1551 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:	NM_023085.1 , NP_075573.2
RefSeq Size:	2154 bp
RefSeq ORF:	1554 bp
Locus ID:	11132
UniProt ID:	Q9HC96
Cytogenetics:	2q37.3
MW:	57.8 kDa