

Product datasheet for **RC202556A1V**

Human Calpain 10 (CAPN10) (NM_023083) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Calpain 10 (CAPN10) (NM_023083) AAV Particle
Tag:	Myc-DDK
Symbol:	CAPN10
Synonyms:	CANP10; NIDDM1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC202556 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCGGGCGGGCGGGCGCGACGCCGGCGAGGGAGCTGTTCCGGGACGCCGCCTTCCCCGCCGGGACT
CCTCGCTCTTCTGCGACTTGTCTACGCCGCTGGCCAGTTCCGCGAGGACATCACGTGGAGGCGGCCCA
GGAGATTGTGCCACACCCCGGCTGTTCCAGATGACCCACGGGAAGGGCAGGTGAAGCAGGGGTGCTG
GGGGATTGCTGGTTCTGTGCTGCGCCGCGCTGCAGAAGAGCAGGCACCTCTGGACCAGGTCATTC
CTCCGGGACAGCCGAGCTGGGCCGACCAGGAGTACCGGGGCTCCTTACCTGTGCGATTGGCAGTTTGG
ACGCTGGGTGGAGGTGACCACAGATGACCGCTGCCGTGCCTTGACGGGAGACTCTGTTTCTCCCGCTGC
CAGAGGGAGGATGTGTTCTGGTCCCCTTACTGAAAAGGTCTACGCCAAGGTCCATGGTCTACGAGC
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GAAGGGCTAGCAGGAAGCGGAGGCCAGCAGGACAGGCCAGGCCGCTGGGAGCACAGGACTTGTCCGCGAG
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TGGGGGAGTTCATGCTTCATTGTCTCGGACCTGCGGGAGCTCCAGGGTCAGGCGGGCCAGTGCATCCT
GCTGCTGCGGATCCAGAACCCCTGGGGCCGGCGGTGCTGGCAGGGGCTCTGGAGAGAGGGGGTGAAGGG
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GCAGAGCCTCTACACAGAGAGGTGCTCTGCCATACCGGGCGCTGCCTGGGGCTGGGTCAAGGGCCAG
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CGAGTGAGGTGTACATTGCCGTCTGCGAGATCCAGGCTGCACGCGGCGGACTGGGAGGCCGGGCCCG
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GGTCTGCACCTCTGGAAGGTAGAGAAGCGGCGGGTCAATCTGCCTAGGGTCTGTCCATGCCCCCGTGG
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GTCTCCCTTAGCGCCATCAGGGCAGTGGCCAAGAACACCAACCCCGGGGAGCCCTGCCTGCGGGGAGT
GGGGGACCGTGCAGCTACGGGGTCTTGGAGAGTCGGCCAGACGGCGGGGGCAGCAGGAACCTTGCCTC
ATACCCACCAACCCCTGCTTCCCCTTCTCGGTCCCCGAGGGCCCTGGCCCCGCTGCGTCCGCATCACT
CTGCATCAGCACTGCCGGCCAGTGACACCGAGTTCCACCCATCGGCTTCCATATCTTCCAGGTCCCAG
AGGGTGAAGGAGCCAGGACGCACCCCACTGCTGCTGCAGGAGCCGCTGCTGAGCTGCGTGCCACATCG
CTACGCCAGGAGGTGAGCCGGCTCTGCCTCCTGCCTGCAGGCACCTACAAGTTGTGCCTCCACCTAC
CTGCCGGACACAGAGGGGCTTACAGTGACCATCGAACCCAGGATTGACAGGCCATCCATTACAGCC
AGGAGATGCTGGGCCAGTTCCTCAAGAGGTCTCCGTCATGGCAGTGATGAAAACC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC202556 protein sequence Red=Cloning site Green=Tags(s) MRAGRATPARELFRDAAFPADSSLFCDLSTPLAQFREDITWRRPQEICATPRLFPDDPREGQVKQGLL GDCWFLCACAALQKSRHLLDQVIPPQQPSWADQEYRGSFTCRIWQFGRWVEVTTDDRPLCLAGRLCFSRC QREDVFWLPLLEKVYAKVHGSYHLWAGQVADALVDLTGGLAERWNLKGVAGSGGQQDRPGRWEHRTCQ LLHLKDQCLISCCVLSPRAGARELGEFHAFIVSDLRELQGAGQCILLRIQNPWGRRCWQLWREGGEG WSQVDAAVASELLSQLQEGEFWVEEEFLREFDELTVGYPVTEAGHLQSLYTERLLCHTRALPGAWVKGQ SAGGCRNNSGFPSNPFWLRVSEPSEVYIAVLQRSRLHAADWAGRARALVGDSHTSWSPASIPGKHYQAV GLHLWKVEKRRVNLPRVLSMPVAGTACHAYDREVHLRCELSPGYLAVPSTFLKDAPGEFLLRVFSTGR VSLSAIRAVAKNTTPGAALPAGEWGTVQLRGSWRVGQTAGGSRNFASYPTNPCFPFSVPEGPGPRCVRIT LHQHCRPSDTEFHPIGFHIFQVPEGGRSQDAPPLLLQEPLLSCVPHRYAQEVSRCLLPAGTYKVPSTY LPDTEGAFTVTIATRDRPSIHSQEMLGQFLQEVSVMAVMKT TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_023083
ORF Size:	2016 bp
Buffer:	PBS with 0.001% Pluronic F5353
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_023083.2 , NP_075571.1
RefSeq Size:	2662 bp
RefSeq ORF:	2019 bp
Locus ID:	11132
UniProt ID:	Q9HC96
Cytogenetics:	2q37.3
MW:	74.9 kDa