

Product datasheet for **RC223989A1V**

Human Caldesmon (CALD1) (NM_033157) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Caldesmon (CALD1) (NM_033157) AAV Particle
Tag:	Myc-DDK
Symbol:	Caldesmon
Synonyms:	CDM; H-CAD; HCAD; L-CAD; LCAD; NAG22
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC223989 representing NM_033157
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGATGATTTTGAGCGTCGCAGAGAACTTAGAAGGCAAAAGAGGGAGGAGATGCGACTCGAAGCAGAAA
 GAATCGCCTACCAGAGGAATGACGATGATGAAGAGGAGGCAGCCCGGGAACGGCCGCCGAGCCGACA
 GGAACGGCTGCGGCAGAAAGCAGGAGGAAGAATCCTTGGGACAGGTGACCGACCAGGTGGAGGTGAATGCC
 CAGAACAGTGTGCCTGACGAGGAGGCCAAGACAACCACCACAACTCAAGTGAAGGGGATGATGAGG
 CCGCATTCCTGGAGCGCCTGGCTCGGCGTGAGGAAAGACGCCAAAAACGCCTTCAGGAGGCTCTGGAGCG
 GCAGAAGGAGTTCGACCAACAATAACAGATGCAAGTCTGTGCTCCCAAGCAGAAGAATGCAAAATGAC
 ACAGCAGAAAATGAACTACCGAGAAGGAAGAAAAAGTGAAAGTCGCCAAGAAAGATACGAGATAGAGG
 AAACAGAAACAGTCACCAAGTCCTACCAGAAGAATGATTGGAGGGATGCTGAAGAAAACAAGAAAGAAGA
 CAAGGAAAAGGAGGAGGAGGAAGAGGAGAAGCCAAAGCGAGGGAGCATTGGAGAAAATCAGGAGAAAGAG
 AAGGGAATAAAGTGCAAGCTAAAAGAGAAAAGCTCCAAGAAGACAAGCCTACCTTCAAAAAAGAGAGA
 TCAAGATGAAAAGATTAAGGAGCAAAAGAACCCAAAGAAAGTAAAGAGCTTCATGGATCGAAAGAA
 GGGATTACAGAAGTTAAGTCGAGAATGGAGAATTCATGACCCACAACTTAAACATACTGAGAATACT
 TTCAGCCGCCCTGGAGGAGGGCCAGCGTGGACACCAAGGAGGCTGAGGCGCCCCCAGGTGGAAGCCG
 GCAAAAGGCTGGAGGAGCTTCGTCGTCGTCGCGGGGAGACCGAGAGCGAAGAGTTCGAGAAGCTCAACA
 GAAGCAGCAGGAGGCGGCTTTGGAGCTGGAGGAAGTCAAGAAAAAGAGGGAGGAGAGAAGGAAGTCTG
 GAGGAGGAAGAGCAGAGGAGGAAGCAGGAGGAAGCCGATCGAAAACCTCAGAGAGGAGGAAGAGAAGAGGA
 GGCTAAAGGAAGAGATTGAAAGGCGAAGAGCAGAAGCTGCTGAGAAACGCCAGAAGATGCCAGAAGATGG
 CTTGTGATGACAAGAAACCATTCAGTGTTTCACTCCTAAAGGTTTCTCTCTCAAGATAGAAGAGCGA
 GCAGAATTTTTGAATAAGTCTGTGCAGAAAAGCAGTGGTGTCAAATCGACCCATCAAGCAGCAATAGTCT
 CCAAGATTGACAGCAGACTGGAGCAGTATACAGTGAATTGAGGGAACAAAAAGCGCAAAACCTACAAA
 GCCGCGAGCCTCGGATCTTCTGTTCTGCTGAAGGTGTACGCAACATCAAGAGTATGTGGGAGAAAGGG
 AATGTGTTTTTCATCCCCACTGCAGCAGGCACACCAAATAAGGAACTGCTGGCTTGAAGGTAGGGGTTT
 CTAGCCGCATCAATGAATGGCTAACTAAACCCAGATGGAAACAAGTCACTGCTCCCAACCTTCTGA
 CTTGAGACCAGGAGACGTATCCAGCAAGCGGAACCTCTGGGAAAAGCAATCTGTGGATAAGGTCACTTCC
 CCCACTAAGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223989 representing NM_033157
 Red=Cloning site Green=Tags(s)

MDDFERRRELRRQKREEMRLEAERIAVQRNDDDEEEAARERRRRARQERLRQKQEEEESLQVTDQVEVNA
 QNSVPDEEAKTTTNTQVEGDDEAAFLERLARREERRQKRLQEALERQKEFDPTITDASLSLPSRRMQND
 TAENETTEKEEKESERQERYEIEETETVTKSYQKNDWRDAEENKKEDKEKEEEEEKPKRGSIGENQGEE
 KGTKVQAKREKLQEDKPTFKKEEIKDEKIKKDEPKKEEVKSFMDRKKGFTEVKSQNGEFMTHKLKHTENT
 FSRPGGRASVDKEAEGAPQVEAGKRLEELRRRRGETESEFEKLKQKQEAALAELEELKKKREERRKVL
 EEEEQRRKQEEADRKLREEEEKRRLKEEIERRRAEAAEKQKMPEDGLSDDKKPFKCFTPKGSSSLKIEER
 AEFLNKSQKSSGVKSTHQAIVSKIDSRLQYTSIAIEGTSKAPTKPAASDLVPVPAEGVRNIKSMWEKG
 NVFSSPTAAGTPNKETAGLKVGVSRRINELTKTPDGNKSPAPKPSDLRPGDVSSKRNLWEKQSVDKVTS
 PTKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_033157
ORF Size:	1692 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:	<u>NM_033157.2, NP_149347.1</u>
RefSeq Size:	4546 bp
RefSeq ORF:	1692 bp
Locus ID:	800
UniProt ID:	<u>Q05682</u>
Cytogenetics:	7q33
MW:	65.4 kDa