

Product datasheet for **RC227531A1V**

Human CAPN8 (NM_001143962) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CAPN8 (NM_001143962) AAV Particle
Tag:	Myc-DDK
Symbol:	CAPN8
Synonyms:	nCL-2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC227531 representing NM_001143962
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCCCAGGCAGCTGGTGTATCTAGGCAGCGGGCAGCCACTCAAGGTCTTGGCTCCAACCAAAACG
 CTTTGAAGTACTTGGCCAGGATTTCAAGACCTGAGGCAACAGTGCTTGGACTCAGGGTCCTATTTAA
 GGACCCTGAGTTCCCAGCATGTCCATCAGCTTTGGGCTACAAGGATCTTGGACCAAGGCTCTCCGAAACT
 CAAGGCATCATCTGGAAGCGGCCACGGAGTTGTGCCAGCCCTCAGTTTATCGTTGGTGGAGCCACGC
 GCACAGACATTTGTAGGGTGGTCTAGGTGACTGCTGGCTTCTGGCTGCCATTGCCTCCCTGACCCTGAA
 TGAAGAGCTGCTTACCGGGTGGTCCCAGGGACCAGGACTTCCAGGAGAACTATGCGGGAATCTTTCAC
 TTTGAGTCTGGCAGTACGGAGAGTGGTGGAGGTGGTATTGACGACAGGCTGCCACCAAGAATGGAC
 AGCTGCTCTTCTACACTCGGAACAAGCAATGAATTCGGAGTGCCTGCTGGAGAAAGCCTATGCCAA
 GCTTAATGGTTGTTATGAGGCTCTCGCTGGAGGTTCCACAGTGGAGGGGTTTGGAGTTTACAGGTGGC
 ATCTCTGAGTTTTATGACCTGAAGAAACCACGACCAATCTATATCAGATCATCCGGAAGGCCCTCTGTG
 CGGGGTCTCTGCTGGGTGCTCCATTGATGTCTCCAGTGCAGCCGAAGCCGAAGCCATCACCCAGCCAGAA
 GCTGGTTAAGAGTCATGCGTACTCTGTCACTGGAGTCGAAGAGGTGAATTTCCAGGGCCATCCAGAGAAG
 CTGATCAGACTCAGGAATCCATGGGGTGAAGTGGAGTGGTGGGAGCCTGGAGCGATGATGCACCAGAGT
 GGAATCACATAGACCCCGGGCGGAAGGAAGAACTGGACAAGAAAGTTGAGGATGGAGAATTCTGGATGTC
 ACTTTCAGATTTCTGAGGCAGTTCTCTCGTTGGAGATCTGCAACCTGTCCCGGACTCTCTGAGTAGC
 GAGGAGGTGCACAAATGGAACCTGGTCTGTCAACCGCCACTGGACCCGGGGCTCCACAGCTGGGGGCT
 GCCAGAACTACCCAGCCACGTAAGTGGACCAATCCCAAGTTCAAAATCCGTTTGGATGAAGTGGATGAGGA
 CCAGGAGGAGAGCATCGGTGAACCTGCTGTACAGTGTCTGCTGGGCCTGATGCAGAAAAATCGCAGGTGG
 CGGAAGCGGATAGGACAAGGCATGCTTAGCATCGGCTATGCCGTCTACCAGGTTCCCAAGGAGCTGGAGA
 GTCACACGGACGCACACTTGGGCCGGGATTTCTTCTGGCCTACCAGCCCTCAGCCCGCACCCAGCACCTA
 CGTCAACCTGCGGGAGGTCTCTGGCCGGGCCGGCTGCCCCCTGGGGAGTACCTGGTGGTCCATCCACA
 TTTGAACCTTCAAAGACGGCGAGTTCTGCTTGAGAGTGTCTCAGAGAAGAAGGCCAGGCCCTAGAAA
 TTGGGGATGTGGTAGCTGGAAACCATATGAGCCACATCCAGTGGTGGATCAGGAAGATGACCAGTT
 CAGGAGGCTGTTTGAAGATTGGCAGGGAAGGATTCTGAGATTACTGCCAATGCACTCAAGATACTTTTG
 AATGAGGCGTTTTCCAAGAGAACAGACATAAAATTCGATGGATTCAACATCAACACTGCAGGGAAATGA
 TCAGTCTGTTGGATAGCAATGGAACGGGCACTTTGGGGCGGTGGAATCAAGACGCTCTGGCTGAAGAT
 TCAGAAGTATCTGGAGATCTATTGGGAACTGATTATAACCACTCGGGCACCATCGATGCCCACGAGATG
 AGGACAGCCCTCAGGAAGGCAGGTTTACCCTCAACAGCCAGGTGCAGCAGACCATTCGCTGCGGTATG
 CGTGCAGCAAGCTCGGCATCACTTTGACAGCTTCGTGGCTTGTATGATCCGCCTGGAGACCCCTTTCAA
 ACTATTCAGCCTTCTGGACGAAGACAAGGATGGCATGGTTCAGCTCTCTGCGCGAGTGGCTGTGCTGC
 GTGTTGGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC227531 representing NM_001143962 Red=Cloning site Green=Tags(s) MAAQAAGVSRQRAATQGLGSNQNALKYLQDFKTLRQQCLDSGVLFKDPEFPACPSALGYKDLGPGSPQT QGIWKRPTELCPSPQFIVGGATRTDICQGGLGDCWLLAAIASLTLNEELLYRVVPRDQDFQENYAGIFH FQFWQYGEWVEVVIDDRLPKNGQLFLHSEQGNEFWSALLEKAYAKLNGCYEALAGGSTVEGFEDFTGG ISEFYDLKKPPANLYQIIRKALCAGSLLGCSIDVSSAAEAEITSQKLVKSHAYSVTGVEEVNFQGHPEK LIRLRNPWGEVWSGAWSDDAPEWNHIDPRRKEELDKKVEDGEFWMSLSDFVRQFSRLEICNLSPDSLSS EEVHKWNLVLFNGHWTRGSTAGGCQNPATYWTNPQFKIRLDEVDEDQEESIGEPCCTVLLGLMQKNRRW RKIRIGQGMLSIGYAVYQVPKELESHTDAHLGRDFFLAYQPSARTSTYVNLREVSGRARLPPGEYLVVPST FEPFKDGEFCLRVFSEKKAQALEIGDVVAGNPYEPHPSEVDQEDDQFRRLFEKLAGKDSEITANALKILL NEAFSKRTDIKFDGFNINTCREMISLLDSNGTGTLGAVEFKTLWLKIQKYLEIYWETDYNHSGTIDAHM RTALRKAGFTLNSQVQQTIALRYACSKLGINFDSFVACMIRLETFLKLFSLLEDKDGVMVQLSLAEWLCC VLV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001143962
ORF Size:	2109 bp
Buffer:	PBS with 0.001% Pluronic F9318
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_001143962.1, NP_001137434.1</u>
RefSeq Size:	2427 bp
RefSeq ORF:	2112 bp
Locus ID:	388743
UniProt ID:	<u>A6NHC0</u>
Cytogenetics:	1q41
MW:	79.1 kDa