

Product datasheet for **RC207230A1V**

Human CACNB1 (NM_000723) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CACNB1 (NM_000723) AAV Particle
Tag:	Myc-DDK
Symbol:	CACNB1
Synonyms:	CAB1; CACNLB1; CCHLB1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC207230 representing NM_000723
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGTCCAGAAGACCAGCATGTCCCGGGGCCCTTACCCACCCTCCAGGAGATCCCCATGGAGGTCTTCG
 ACCCCAGCCCGCAGGGCAAATACAGCAAGAGGAAAGGGCGATTCAAACGGTCAGATGGGAGCACGTCCTC
 GGATACCACATCCAACAGCTTTGTCCGCCAGGGCTCAGCGGAGTCTACACCAGCCGTCCATCAGACTCT
 GATGTATCTCTGGAGGAGGACCGGAAGCCTTAAGGAAGGAAGCAGAGCGCCAGGCATTAGCGCAGCTCG
 AGAAGGCCAAGACCAAGCCAGTGGCATTGTGTGCGGACAAATGTTGGTACAATCCGTCTCCAGGGGA
 TGAGGTGCCTGTGCAGGAGTGGCCATCACCTTCGAGCCCAAAGACTTCTGCACATCAAGGAGAAATAC
 AATAATGACTGGTGGATCGGGCGGCTGGTGAAGGAGGGCTGTGAGGTTGGCTTCATTCCAGCCCCGTCA
 AACTGGACAGCCTTCGCTGCTGCAGGAACAGAAGCTGCGCCAGAACCCTCGGCTCCAGCAAATCAGG
 CGATAACTCCAGTTCAGTCTGGGAGATGTGGTACTGGCACCCTCGCCACACCCCTGCCAGTGGC
 AAACAGAAGCAGAAGTCGACAGAGCATGTGCCCCCTATGACGTGGTGCCTTCCATGAGGCCCATCATCC
 TGGTGGGACCGTCTGCTCAAGGGCTACGAGGTTACAGACATGATGCAGAAAGCTTTATTTGACTTCTTGAA
 GCATCGGTTTGTATGGCAGGACCTCCATCACTCGTGTGACGGCAGATATTTCCCTGGCTAAGCGCTCAGTT
 CTCAACAACCCAGCAAAACATCATCATTGAGCGCTCCAACACACGCTCCAGCCTGGCTGAGGTGCAGA
 GTGAAATCGAGCGAATCTTCGAGCTGGCCCGGACCCCTTCAGTTGGTCTGCTGAGTGTGACACCATCAA
 TCACCCAGCCAGCTGTCCAAGACCTCGCTGGCCCCATCATTGTTTACATCAAGATCACCTCTCCCAAG
 GTACTTCAAAGGCTCATCAAGTCCCAGAGAAAGTCTCAGTCCAACACCTCAATGTCCAATAGCGGCT
 CGGAAAAGCTGGCACAGTGCACCCCTGAAATGTTTGACATCATCTGGATGAGAACCAATTGGAGGATGC
 CTGCGAGCATCTGGCGGAGTACTTGGAAGCCTATTGGAAGGCCACACCCGCCAGCAGCACGCCACCC
 AATCCGCTGCTGAACCGACCATGGCTACCGCAGCCCTGGCTGCCAGCCCTGCCCTGTCTCAACCTCC
 AGGGACCTACCTTGCTTCCGGGGACGACCACTGGAACGGGCCACCGGGGAGCAGCCAGCATGCACGA
 GTACCCAGGGGAGCTGGGCCAGCCCCAGGCTTTACCCAGCAGCCACCCACCAGGCCGGGAGGCACG
 CTACGGGCACTGTCCCGCAAGACACTTTTATGCGGACACCCCGGAGCCGAACTCTGCCTACACGG
 AGCTGGGAGACTCATGTGTGGACATGGAGACTGACCCCTCAGAGGGGCCAGGGCTTGAGACCCTGCAGG
 GGGCGGCAGCCCCAGCCGACAGGGATCCTGGGAGGACGAGGAAGAAGACTATGAGGAAGAGCTGACC
 GACAACCGGAACCGGGCCGGAATAAGGCCGCTACTGCGCTGAGGGTGGGGTCCAGTTTGGGGCGCA
 ACAAGAATGAGCTGGAGGGCTGGGGACGAGGCGTCTACATTTCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MVQKTSMSRGPYPSPQEIPMEVFDPSQKYSKRKGRFKRSDGSTSSDTSNSFVRQGSAESYTSRPSDS
 DVSLEEDREALRKEAERQALALEKAKTKPVAFVVRTNVGYNPSPGDEVVPVQGVAITFEPKDFLHIKEKY
 NNDWWIGRLVKEGCEVGFIPSPVKLDSLRLLEQKLRLQNLGSSKSGDNSSSLGDVVTGTRRTPPASA
 KQKQKSTEHVPPYDVVPSMRPIILVGPSLKGVEVTDMMQKALFDLKHFRDGRSITRVTADISLAKRSV
 LNNPSKHIIERSNTRSSLAQVQSEIERIFELARTLQLVALDADTINHPAQLSKTSLAPIIVYIKITSPK
 VLQRLIKSRGKSQSKHLNVQIAASEKLAQCHPEMFDIILDENQLEDACEHLAEYLEAYWKATHPPSSTPP
 NPLLNRTMATAALAASPAPVSNLQGPYLASGDQPLERATGEHASMHEYPGELGQPPGLYPSHPPGRAGT
 LRALSRQDTFDADTPGSRNSAYTELGDSCVDMETDPSEGPGLGDPAGGGTPPARQGSWEDEEEDYEEELT
 DNRNRGRNKARYCAEGGPVLGRNKNELEGWGRGVYIR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_000723
ORF Size:	1794 bp
Buffer:	PBS with 0.001% Pluronic F6015
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_000723.3</u>
RefSeq Size:	3687 bp
RefSeq ORF:	1797 bp
Locus ID:	782
UniProt ID:	<u>Q02641</u>
Cytogenetics:	17q12
MW:	65.5 kDa