

## Product datasheet for **RC208947A1V**

### Human beta Catenin (CTNNB1) (NM\_001904) AAV Particle

#### Product data:

|                           |                                                      |
|---------------------------|------------------------------------------------------|
| Product Type:             | AAV Particles                                        |
| Product Name:             | Human beta Catenin (CTNNB1) (NM_001904) AAV Particle |
| Tag:                      | Myc-DDK                                              |
| Symbol:                   | CTNNB1                                               |
| Synonyms:                 | armadillo; CTNNB; EVR7; MRD19; NEDSDV                |
| Mammalian Cell Selection: | None                                                 |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                           |



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**ORF Nucleotide  
Sequence:**

>RC208947 representing NM\_001904  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTACTCAAGCTGATTTGATGGAGTTGGACATGGCCATGGAACCAGACAGAAAAAGCGGCTGTTAGTC  
 ACTGGCAGCAACAGTCTTACCTGGACTCTGGAATCCATTCTGGTGCCACTACCACAGCTCCTTCTCTGAG  
 TGGTAAAGGCAATCCTGAGGAAGAGGATGTGGATACCTCCCAAGTCTGTATGAGTGGGAACAGGGATTT  
 TCTCAGTCCTTCACTCAAGAACAAGTAGCTGATATTGATGGACAGTATGCAATGACTCGAGCTCAGAGGG  
 TACGAGCTGCTATGTTCCCTGAGACATTAGATGAGGGCATGCAGATCCCATCTACACAGTTTGATGCTGC  
 TCATCCCACTAATGTCCAGCGTTTGGCTGAACCATCACAGATGCTGAAACATGCAGTTGTAACTTGATT  
 AACTATCAAGATGATGCAGAATTGCCACACGTGCAATCCCTGAACTGACAAAAGTCTAAATGACGAGG  
 ACCAGGTGGTGGTTAATAAGGCTGCAGTTATGGTCCATCAGCTTTCTAAAAAGGAAGCTCCAGACACGC  
 TATCATCGGTTCTCCTCAGATGGTGTCTGCTATTGTACGTACCATGCAGAATACAAATGATGTAGAAACA  
 GCTCGTTGTACCGCTGGGACCTTGCATAACCTTTCCCATCATCGTGAGGGCTTACTGGCCATCTTTAAGT  
 CTGGAGGCATTCTGCCCTGGTGAATGCTTGGTTCCACAGTGGATTCTGTGTTGTTTTATGCCATTAC  
 AACTCTCCACAACCTTTTATTACATCAAGAAGGAGCTAAAATGGCAGTGCGTTTAGCTGGTGGGCTGCAG  
 AAAATGGTTGCCTTGCTCAACAAAACAAATGTTAAATCTTGGCTATTACGACAGACTGCCTTCAAATTT  
 TAGCTTATGGCAACCAAGAAAGCAAGCTCATCATACTGGCTAGTGGTGGACCCCAAGCTTTAGTAAATAT  
 AATGAGGACCTATACTTACGAAAACTACTGTGGACCACAAGCAGAGTGCTGAAGGTGCTATCTGTCTGC  
 TCTAGTAATAAGCCGGCTATTGTAGAAGCTGGTGAATGCAAGCTTTAGGACTTCACCTGACAGATCCAA  
 GTCAACGTCTTGTTTCAGAACTGTCTTTGGACTCTCAGGAATCTTTCAGATGCTGCAACTAAACAGGAAGG  
 GATGGAAGGTCTCCTTGGGACTCTTGTTCAGCTTCTGGGTTTCAGATGATATAAATGTGGTCACCTGTGCA  
 GCTGGAATTCTTTCTAACCTCACTTGCAATAATTATAAGAACAAGATGATGGTCTGCCAAGTGGGTGGTA  
 TAGAGGCTCTTGTCGTAAGTCTTACACCCACCATCCCACTGGCCTCTGATAAAGGCTACTGTTGGATTGA  
 TTCGAAATCTTGCCCTTTGTCCGCAAATCATGCACCTTTGCGTGAGCAGGGTGGCATTCCACGACTAGT  
 TCAGTTGCTTGTTCGTGCACATCAGGATACCCAGCGCCGTACGTCCATGGGTGGGACACAGCAGCAATTT  
 GTGGAGGGGGTCCGCATGGAAGAAATAGTTGAAGGTTGTACCGAGCCCTTCACATCCTAGCTCGGGATG  
 TTCACAACCGAATTGTTATCAGAGGACTAAATACCATTCCATTGTTTGTGCAGCTGCTTTATTCTCCCAT  
 TGAAAAACATCCAAAGAGTAGCTGCAGGGGTCTCTGTGAACCTGCTCAGGACAAGGAAGTGCAGAAGCT  
 ATTGAAGCTGAGGGAGCCACAGCTCCTCTGACAGAGTTACTTCACTCTAGGAATGAAGGTGTGGCGACAT  
 ATGCAGCTGCTGTTTTGTTCCGAATGTCTGAGGACAAGCCACAAGATTACAAGAAACGGCTTTCAGTTGA  
 GCTGACCAGCTCTCTCTCAGAACAGAGCCAATGGCTTGAATGAGACTGCTGATCTTGACTTGATATT  
 GGTGCCAGGGAGAACCCTTGGATATCGCCAGGATGATCCTAGCTATCGTTCTTTCACTCTGGTGGAT  
 ATGGCCAGGATGCCTTGGGTATGGACCCCATGATGGAACATGAGATGGGTGGCCACCACCCTGGTGTGA  
 CTATCCAGTTGATGGGCTGCCAGATCTGGGGCATGCCAGGACCTCATGGATGGGCTGCCTCCAGGTGAC  
 AGCAATCAGCTGGCCTGGTTTGATACTGACCTG

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC208947 representing NM_001904</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MATQADLMELDMAMEPDRKAAVSHWQQSYLDSGIHSGATTTAPSLSGKGNPEEEDVDTSQVLYEWEQGF<br/> SQSFTQEQVADIDGQYAMTRAQRVRAAMFPETLDEGMQIPSTQFDDAAHPTNVQRLAEP SQMLKHAVVNL I<br/> NYQDDAELATRAIPELTKLLNDEDQVVVNKAAVMVHQLSKKEASRHAIMRSPQMVS AIVRTMQNTNDVET<br/> ARCTAGTLHNL SHHREGLLAIFKSGGIPALVKMLGSPVDSVLFYAITTLHNL LHQEGAKMAVRLAGGLQ<br/> KMYALLNKTNVKFLAITTDCLQILAYGNQESKLIILASGGPQALVNMRTYTYEKLLWTTSRVLKVL SVC<br/> SSNKPAIVEAGGMQALGLHLTDPSQRLVQNCLWTLRNLSDAATKQEGMEGLLGTLVQLLGSD DINVVTCA<br/> AGILSNLTCNNYKNKMMVCQVGGIEALVRTVLRAGDREDITEPAICALRHLSRHQEAEMAQNAVRLHYG<br/> LPVVVKLLHPPSHWPLIKATVGLIRNLALCPANHAPLREQGAIPRLVQLLVRAHQDTQRR TSMGGTQQQF<br/> VEGVRMEEIVEGCTGALHILARDVHNRI VIRGLNTIPLFVQLLYSPIENIQRVAAGVLC ELAQDKEAAEA<br/> IEAEGATAPL TELLHSRNEGVATYAAAVLFRMSEDKPQDYKKRLSVELTSSLFRTEPMAWNETADLGLDI<br/> GAQGEPLGYRQDDPSYRSFHSGGYGQDALGMDPMMEHEMGGHHPGADYPVDGLPDLGHAQDLMDGLPPGD<br/> SNQLAWFDTDL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ACCN:</b>             | NM_001904                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ORF Size:</b>         | 2343 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F6350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Stability:</b>        | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RefSeq:</b>           | <u>NM_001904.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq Size:</b>      | 3697 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq ORF:</b>       | 2346 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Locus ID:</b>         | 1499                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>       | <u>P35222</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Cytogenetics:</b>     | 3p22.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MW:</b>               | 85.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |