

Product datasheet for **RC201291A1V**

Human **ABCD4** (NM_005050) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ABCD4 (NM_005050) AAV Particle
Tag:	Myc-DDK
Symbol:	ABCD4
Synonyms:	ABC41; EST352188; MAHCJ; P70R; P79R; PMP69; PXMP1L
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC201291 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGCGGTGCGGGGGCCGCGCCCGAGCTGGCGCCAGGCCAGGTTAGATCTGCAATTTCTCCAGCGGT
 TCCTGCAGATACTGAAGTTTTGTTTCCTTCTTGGTCATCAGAAAATGCCTTGATGTTCCCTGACCCTTTT
 GTGCCTGACCCTACTGGAGCAATTTGTGATCTACCAGGTTGGCCTGATCCCCAGTCAGTACTATGGGGTC
 CTGGGAAACAAAGACTTGAAGGGTTTAAGACTCTGACATTCCTGGCTGTGATGCTATTGTTCTGAACT
 CCACGCTGAAGAGCTTTGATCAGTTACCTGCAACCTGCTGTATGTGAGCTGGAGGAAGGACCTCACTGA
 GCACCTTCACCGCCTCTACTTCCGGGGCCGTGCGTACTACACCCTCAACGTGCTGCGGGATGACATCGAT
 AACCCGGACAGCGCATCAGCCAGGACGTGGAGCGATTCTGCCGCAGCTCAGCAGCATGGCCAGCAAGC
 TCATCATCTCCCGTTACCCCTCGTCTACTACACTTACCAGTGCTTCAAAGCACAGGCTGGCTCGGGCC
 TGTGAGCATCTTCGGGTATTTATCCTGGGGACCGTGGTGAACAAAATTTGATGGGCCCATTTGTGATG
 AAGCTGGTGCATCAGGAGAAGCTGGAGGAGATTTTAGGTTCAAGCACATGCAGATTCGGGTGAATGCGG
 AGCCTGCTGCTTTCTACAGAGCTGGGCATGTGGAGCACATGAGGACAGACCCGAGGCTGCAGAGACTCCT
 TCAGACCCAGAGGGAGCTGATGTCCAAGGAGCTCTGGCTGTACATCGGCATCAACACCTTTGACTATCTG
 GGCAGCATCCTGAGTTACGTTGTATCGCAATCCCCATTTTACGCGGGTCTATGGAGACCTGAGTCCCA
 CAGAGCTTAGCACCTGGTCAGCAAGAATGCCTTTGTGTGCATCTACCTCATCAGCTGCTTACCCAGCT
 AATCGACCTGTCCAGCAGCTCTCAGATGTGGCTGGCTACACGCACAGAATTGGGAGCTTCGGGAGACG
 CTTCTGGACATGTCCCTGAAGTCACAGGACTGCGAGATCCTGGCGAGAGCAAGTGGGGCTTGGACACAC
 CCCAGGGTGGCAGCGCAGAGCCAGCAGACAGCATTCTCCTTGAGCGGGTCTCCATCTCTGCCCC
 CTCCTCTGACAAACCCCTAATCAAGGATCTGAGCCTAAAGATCTCCGAGGGACAGAGCCTGCTCATCACA
 GGCAACACGGGCACTGGCAAGACCTCCTTGCTCCGGTTCTGGGTGGCCTCTGGACGAGTACACGGGGCT
 CAGTGCAGATGCTGACGACTTTGGGCCCCATGGGGTGTATTCTGCCACAAAAGCCATTCTTCACTGA
 CGGGACCTTTCGGGAGCAGGTGATATATCCCTGAAGGAGGTCTACCCGACTCAGGTTCTGCCGATGAT
 GAGAGGATCTTGAGGTTCTTGAATTGGCAGGCCTGTCCAATTGGTGGCAAGGACAGAGGGCTGGACC
 AGCAGGTGGACTGGAAGTGGTATGATGTTCTGTCCCGGGGAGATGCAACGGCTCTCCTTGCCCGACT
 CTTCTACCTGCAGCCGAAGTACGAGTCTTGATGAAGCCACCAGTGCCTGACAGAGGAAGTGGAGAGC
 GAGCTCTATCGCATCGCCAGCAGCTGGGGATGACGTTTATCAGTGTGGGACATCGGCAGAGCCTTGAGA
 AGTTTCATTCTTGTTCTGAACTCTGTGGAGGAGGAAGATGGGAGCTGATGAGAATCAAAGTGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201291 protein sequence
 Red=Cloning site Green=Tags(s)

MAVAGPAPGAGARPRDLQFLQRFLQILKVLFPSSQNALMFLTLCLLLEQFVIYQVGLIPSQYYGV
 LGNKDLEGFKTLTFLAVMLIVLNSTLKSFDQFTCNLLYVSWRKDLTEHLHRLYFRGRAYYTLNVLRRDID
 NPDQRISQDVERFCRQLSSMASKLIISPFTLVYYTYQCFQSTGWLGPVSIIFYILGTVVNKLTMGPIM
 KL VHQEKLEGDFRKHMQIRVNAEPAFYRAGHVEHMRDRRLQRLQTQRELMSELWLYIGINTFDYL
 GSILSYVVIPIPIFSGVYGLDPTLSTLVSKNAFVCIYLISCFTQLIDLSTLSDVAGYTHRIGQLRET
 LLDMSLKSQDCEILGESKWGLDTPPGWPAEPADTAFLLERVSIAPSSDKPLIKDLCLKISEGQSLIT
 GNTGTGKTSLLRVLGGLWTSTRGSVQMLTDFGPHGVFLPQKPFDTGTLREQVIYPLKEVYPDSGSADD
 ERILRFLELAGLSNLVARTEGLDQQVDWNWYDVLSPGEMQRLSFARLFYLPKYAVLDEATSALTEEVES
 ELYRIGQQLGMTFISVGHRQSLEKFHSLVLKLCGGGRWELMRIKVE

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_005050
ORF Size:	1818 bp
Buffer:	PBS with 0.001% Pluronic F5181
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_005050.2</u>
RefSeq Size:	3157 bp
RefSeq ORF:	1821 bp
Locus ID:	5826
UniProt ID:	<u>O14678</u>
Cytogenetics:	14q24.3
MW:	68.6 kDa