

Product datasheet for **RC204860A1V**

Human **BACE2 (NM_012105)** AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human BACE2 (NM_012105) AAV Particle
Tag:	Myc-DDK
Symbol:	BACE2
Synonyms:	AEPLC; ALP56; ASP1; ASP21; BAE2; CDA13; CEAP1; DRAP
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC204860 representing NM_012105
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCGCACTGGCCCGGGCGTGTCTGCTGCTCTGCTGGCCAGTGGCTCCTGCGCGCCGCCCGGAGC
 TGGCCCCCGCGCCTTACGCTGCCCTCCGGGTGGCCGCGGCCACGAACCGCGTAGTTGCGCCACCCC
 GGGACCCGGGACCCCTGCCGAGCGCCACGCCGACGGCTTGGCGCTCGCCCTGGAGCCTGCCCTGGCGTCC
 CCCGCGGGCGCGCAACTTCTTGGCCATGGTAGACAACCTGCAGGGGACTCTGGCCGCGGCTACTACC
 TGGAGATGCTGATCGGGACCCCCCGCAGAAGCTACAGATTCTCGTTGACACTGGAAGCAGTAACTTTGC
 CGTGGCAGGAACCCGCACTCTACATAGACACGTACTTTGACACAGAGAGGTCTAGCACATACCGCTCC
 AAGGGCTTTGACGTACAGTGAAGTACACAGAAGGAGCTGGACGGGCTTCGTTGGGAAGACCTCGTCA
 CCATCCCCAAAGGCTTCAATACTTCTTTCTTGTCAACATTGCCACTATTTTGAATCAGAGAATTTCTT
 TTTGCCTGGGATTAATGGAATGGAATACTTGGCTAGCTTATGCCACACTTGCCAAGCCATCAAGTTCT
 CTGGAGACCTTCTTCGACTCCCTGGTGACACAAGCAAACATCCCCAACGTTTTCTCCATGCAGATGTGTG
 GAGCCGGCTTGCCCGTTGCTGGATCTGGGACCAACGGAGGTAGTCTTGTCTTGGGTGGAATTGAACCAAG
 TTTGTATAAAGGAGACATCTGGTATACCCCTATTAAGGAAGAGTGGTACTACCAGATAGAAATCTGAAA
 TTGGAAATTGGAGGCCAAAGCCTTAATCTGGACTGCAGAGAGTATAACGCAGACAAGGCCATCGTGGACA
 GTGGCACCACGCTGTGCGCCTGCCCGAGAAGGTGTTTATGCGGTGGTGAAGCTGTGGCCCGCGCATC
 TCTGATTCCAGAATTCTCTGATGGTTTCTGGACTGGGTCCCAGCTGGCGTGTGGACGAATTCGGAACA
 CCTTGGTCTTACTTCCCTAAAACTCCATCTACCTGAGAGATGAGAACTCCAGCAGGTCAATCCGTATCA
 CAATCTGCCTCAGCTTTACATTCAGCCCATGATGGGGCCGGCCTGAATTATGAATGTTACCGATTTCGG
 CATTTCCTCCCATCCACAAATGCGCTGGTGATCGGTGCCACGGTGATGGAGGGCTTCTACGTCACTTCGAC
 AGAGCCCGAGAAGAGGGTGGGCTTCGACGAGCGCCCTGTGCAGAAATTGCAGGTGCTGCAGTGTCTGAAA
 TTTCCGGGCTTTCTCAACAGAGGATGTAGCCAGCAACTGTGTCCCGCTCAGTCTTTGAGCGAGCCCAT
 TTTGTGGATTGTGCTCTATGCGCTCATGAGCGTCTGTGGAGCCATCCTCCTGTCTTAATCGTCTGCTG
 CTGCTGCCGTTCCGGTGTGAGCGTGCCTCCGCTGACCCTGAGGTCGTCAATGATGAGTCTCTCTGGTCA
 GACATCGCTGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MGALARALLPLLAQWLLRAAPELAPAPFTLPLRVAAATNRVVAPTPGPGTPAERHADGLALALEPALAS
 PAGAANFLAMVDNLQDSSRGYYLEMLIGTPPQKLQILVDTGSSNFAVAGTPHSYIDTYFDTSSSTYRS
 KGFDVTVKYTQGSWTGFGEDLVTIPKGFNTSFLVNIATIFESENFFLPGIKWNGILGLAYATLAKPSSS
 LETFFDSLVTQANIPNVFSMQMCGAGLPVAGSGTNGGSLVLGGIEPSLYKGDIIWYTIKEEWYQIEILK
 LEIGGQSLNLDREYNADKAIVDSGTTLLRLPQKVFDAYVEAVARSLIPEFSDGFWTGSQACWTNSET
 PWSYFPKISIIYLRDENSRSFRITILPQLYIQPMMGAGLNYECYRFGISPSTNALVIGATVMEGFYVIFD
 RAQKRVGFAASPCAIEIAGAAVSEISGPFSTEDVASNCVPAQSLSEPILWIVSYALMSVCGAILLVLLVLL
 LLPFRCQRRPRDPEVVNDESSLVRHRWK

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_012105

ORF Size:

1554 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_012105.3</u>
RefSeq Size:	2993 bp
RefSeq ORF:	1557 bp
Locus ID:	25825
UniProt ID:	<u>Q9Y5Z0</u>
Cytogenetics:	21q22.2-q22.3
MW:	56.18 kDa