

Product datasheet for **RC204016A1V**

Human BOP1 (NM_015201) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human BOP1 (NM_015201) AAV Particle
Tag:	Myc-DDK
Symbol:	BOP1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC204016 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGGGTTCGCGGGGTGCGGGGCGCACGGCGCGCCGAGCGTGCGGCCGAGAAGCGCGGTCTGAGC
CCGAACCTGGAGCCTGAGCCCGAGCCGGAGCCCCCTCCTCTGCACCTCTCCTCTCAGCCACAGCACCGG
CAGCGATTCTGGCGTCTCCGACAGCGAGGAGAGTGTGTTCTCAGGCCTGGAAGATTCCGGCAGTGACAGC
AGTGAGGATGATGACGAAGCGACGAGGAGGAGAGGACGAGCCCTTGATGACGAGGGCCACAGTGGGA
TAAAAAGACCACTGAGGAGCAGGTGCAGGCCAGCACTCCTTGCCCGAGGACAGAGATGGCGAGCGCCCG
GATTGGGGATGAGTATGCGGAGGACAGCTCTGATGAGGAGGACATCCGGAACACGGTGGGCAACGTGCC
TTGGAGTGGTACGATGACTTCCCCACGTGGGCTACGACCTGGATGGCAGGCGCATCTACAAGCCCTGC
GGACCCGGGATGAGCTGGACAGTTCCTGGACAAGATGGACGATCCTGACTACTGGCGCACCGTGCAGGA
CCCATGACAGGGCGGGACCTGAGACTGACGGATGAGCAGGTGGCCCTGGTGGCGCGGCTGCAGAGTGGC
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CACGGCAGCGCAAGATGAGGGTGAATGTAGACCTGAGGACCTCATCCCAAGCTGCCTCGGCCGAGGGA
CCTGCAGCCCTTCCCCACGTGCCAGGCCCTGGTCTACAGGGGCCACAGTGACCTTGTCCGGTGCCTCAGT
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GACGCAGGTGACCTGGCACGGGCTGGGACTACCTGGCCGTGGTGTGCTGACCCAGCTCTGGGGGACCGGCTG
GTGCTGATTACACAGCTGAGCCGTGCGCGCAGCCAGAGTCCGTTCCGCCGAGCCACGGACAGGTGCAGC
GAGTGGCTTCCACCCTGCCCGGCCCTTCTGTTGGTGGCGTCCAGCGCAGCGTCCGCCTCTACCACCT
GCTGCGCCAGGAGCTACCAAGAAGCTGATGCCCAACTGCAAGTGGGTGTCCAGCCTGGCGGTGCACCCT
GCAGGTGACAACGTCTCTGTGGGAGCTACGATAGCAAGCTGGTGTGGTTTGACCTGGATCTTTCCACCA
AGCCATACAGGATGCTGAGACACCACAAGAAGGCTCTGCGGGCTGTGGCCTTCCACCCGCGGTACCCACT
CTTTGCGTCAGGCTCGGACGACGGCAGTGTATCGTCTGCCATGGCATGGTGTACAATGACCTTCTGCAG
AACCCCTTGTGGTGGCCGTCAAGGTGCTGAAGGGACAGTGTGACCCGAGATCTGGGAGTGTGGACG
TCATCTTCCACCCACCCAGCCGTGGTCTTCTCCTCGGGGCGAGACGGGACTGTCCGCCTCTTACC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC204016 protein sequence Red=Cloning site Green=Tags(s) MAGSRGAGRTAAPSVRPEKRRSEPELEPEPEPEPPLLCTSPLSHSTGSDSGVSDSEESVFSGLEDSGSDS SEDDDGEDEEGEDGALDDEGHSGIKKTEEQVQASTPCPRTEMASARIGDEYAEDSSDEEDIRNTVGNVP LEWYDDFPHVGYDLDGRRYKPLRTRDELQFLDKMDDPDYWRTVQDPMTRDLRLTDEQVALVRRQSG QFGDVGFNPYEPVDFFSGDVMIHPVTNRPADKRSFIPSLVEKEKVSVMVHAIKMGWIQPRRPRDPTPSF YDLWAQEDPNAVLGRHKMHVPAPKLALPGHAESYNPPPEYLLSEERLAWEQQEPGERKLSFLPRKFPSL RAVPAYGRFIQERFERCLDLYLCPRQRKMRVNVDPEDLIPKLPFRDLQPFPTCQALVYRGHSDLVRLCS VSPGGQWLVSQSDDGSLRLWEVATARCVRTVPVGGVVKSAWNPSPAVCLVAAAVEDSVLLNPNALGDR VAGSTDQLLSAFVPEEPPLQPARWLEAEEERQVGLRLRICHGKPVTVQVWHGRGDLAVVLATQGHQ VLIHQLSRRRSQSPFRRSHGQVQRFVAFHPPARFLLVASQSVRLYHLLRQELTKKLMPNCKWVSSLAVHP AGDNVICGSYDVKLVWFDLSTKPYRMLRHHKKALRAVAFHPPRYPLFASGSDDGSVIVCHGMVYNDLLQ NPILLVPVKVLKGHVLTRDLGVLDVIFHPTQPWFSSGADGTVRLFT TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_015201
ORF Size:	2238 bp
Buffer:	PBS with 0.001% Pluronic F5516
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_015201.3, NP_056016.1</u>
RefSeq Size:	2422 bp
RefSeq ORF:	2241 bp
Locus ID:	23246
UniProt ID:	<u>Q14137</u>
Cytogenetics:	8q24.3
MW:	83.6 kDa