

Product datasheet for **RC218758A1V**

Human Bestrophin 2 (BEST2) (NM_017682) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Bestrophin 2 (BEST2) (NM_017682) AAV Particle
Tag:	Myc-DDK
Symbol:	Bestrophin 2
Synonyms:	VMD2L1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC218758 representing NM_017682
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCGTCACCTACACAGCCCGAGTGGCGAACCCCGCTTCGGTGGCTTCTCCAGCTGCTGCTACTGT
 GGCGTGGGAGCATCTACAACTCCTGTGGCGAGAGCTGCTCTGCTTCCTTGGGTTCTACATGGCGCTGAG
 TGCTGCCTACCGCTTTGTGCTGACCGAAGGGCAGAAGCGCTACTTCGAGAAGCTTGTGATTTATTGTGAC
 CAGTATGCCAGCCTCATCCCTGTCTCCTTCGTGCTTGGCTTTTATGTGACGCTGGTGGTGAACCGCTGGT
 GGAGCCAGTACCTATGCATGCCGCTGCCGACGCGCTCATGTGCGTGGTGGCGGGCACCGTGCACGGACG
 CGACGACCGCGGCCGCTCTACCGGCGCACACTCATGCGCTACGACGGGCTCTCGGCCGTGCTCATCCTG
 CGCTCCGTGACACCGCGGTGTTCAAGCGCTTCCCAACCATAGACCACGTGGTGGAGGCTGGGTTTATGA
 CCCGCGAGGAGCGCAAGAAGTTTGAACCTGAACTCATCTACAACAAGTACTGGGTGCCCTGCGTCTG
 GTTCTCAACCTGGCGGCACAGGCCGACGCGAGGGCCGATCCGCGACAACAGCGCCCTTAAGCTGCTG
 CTCGAGGAGCTGAATGTTTTTCGGGGCAAATGTGAATGCTCTTCACTATGACTGGATTAGCGTACCCC
 TCGTGTACACGAGGTGGTGACCATCGCACTGTACAGCTACTTCTGGCTTGCCCTATTGGTGCAGGCT
 CCTGGACCCGGCTCAGGGTTACAAAGACCACGACCTAGACCTGTGTGTCCTCTTACCCTCTTGCA
 TTCTTCTTCTACGCCGCTGGCTCAAGGTAGCTGAGCAGCTCATCAACCCCTTCGGAGAGGACGATGATG
 ACTTTGAGACCAACTTCTGATCGATAGAACTTCCAGGTGTCCATGCTGGCAGTGGACGAGATGTATGA
 TGACCTGGCTGTGCTGGAGAAGGACTTGTACTGGGATGACGCCAGGCTCGCGCCCATACACAGCGGCT
 ACTGTCTTCCAGCTGCGGCAGCCTTCTTCCAGGGCTCCACCTTTGACATCACGCTGGCCAAAGAAGACA
 TGCAGTTCCAGCGGCTGGACGGCTTGGATGGACCGATGGGAGAGGCGCCCGCGCACTTCTGCAGCGCCT
 CCTGCCGCGGGCGCGGCATGGTTCGCGGAGGCGCCGCTGGGCCGCGCCTGTCTTTCTACTCCGCAAG
 AACAGCTGCGTGTGCGAGGCGTCTACTGGGGCAGCTGCTCATGCGCGGTTGTCCCCGAAGGCGCGGCC
 CGGAGTGCAGCTGCGGGGACCGCTGCTCGACCCGCGCTGCCGAGCCGAGGCCCCGCCCCCTGCGGG
 TCCCGAACCGTTACCCTCATCCCTGGGCTGTCGAGCCCTTACGATCGTGACCATGCCCGGGCCCCGG
 GGTCCGCGCCACCTGGCTGCCAGCCCTATTGGCGAGGAGGAGGAATCTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218758 representing NM_017682
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MTVITYTARVANARFGGFSQLLLLWRGSIYKLLWRELLCFLGFYMALSAAYRFVLTEGQKRYFEKLVIIYCD
 QYASLIPVSFVLGFYVTLVNNRWSQYLCMPLPDALMCVVAGTVHGRDDRGLYRRTLMRYAGLSAVLIL
 RSVSTAVFKRFTIDHVEAGFMTREERKKFENLNSSYNKYWVPCVWFSNLAQARREGRIKDNSALKLL
 LEELNVFRGKCGMLFHYDWISVPLVYTQVVTIALYSYFLACLIGRQFLDPAQGYKDHLDLCPVIFTLLQ
 FFFYAGWLKVAEQLINPFGEDDDDFETNFLIDRNQVSMPLAVDEMYDDLAVLEKDLWDAAEAPYPTAA
 TVFQLRQPSFQGSTFDITLAKEDMQFQRLDGLDGPMEAPGDFLQRLLPAGAGMVAGGPLGRRLSFLLRK
 NSCVSEASTGASCSCAVVPEGAAPESCGLDPLDPLPEPEAPPPAGPEPLTLIPGPVEPFISIVTMPGPR
 GPAPPWLPSPIGEEEEENLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_017682

ORF Size:

1527 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_017682.2</u>
RefSeq Size:	1924 bp
RefSeq ORF:	1530 bp
Locus ID:	54831
UniProt ID:	<u>Q8NFU1</u>
Cytogenetics:	19p13.13
MW:	57 kDa