

Product datasheet for **RC227442A1V**

Human Bestrophin (BEST1) (NM_001139443) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Bestrophin (BEST1) (NM_001139443) AAV Particle
Tag:	Myc-DDK
Symbol:	BEST1
Synonyms:	ARB; BEST; Best1V1Delta2; BMD; RP50; TU15B; VMD2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC227442 representing NM_001139443
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTGAGAACTGACTCTGTATTGCGACAGCTACATCCAGCTCATCCCCATTTCTTCGTGCTGGGCT
 TCTACGTGACGCTGGTCGTGACCGCTGGTGGAACAGTACGAGAACCTGCCGTGGCCCGACCGCCTCAT
 GAGCCTGGTGTGGGCTTCGTCAAGGCAAGGACGAGCAAGGCCGGCTGCTGCGGCGCACGCTCATCCGC
 TACGCCAACCTGGGAACGTGCTCATCTGCGCAGCGTCAGCACCGCAGTCTACAAGCGCTTCCCACGG
 CCCAGCACCTGGTGCAAGCAGGCTTTATGACTCCGGCAGAACACAAGCAGTTGGAGAACTGAGCCTACC
 ACACAACATGTTCTGGGTGCCCTGGGTGTGTTTGCCAACTGTCAATGAAGCGTGGCTTGAGGTGCA
 ATCCGGGACCCTATCCTGCTCCAGAGCCTGCTGAACGAGATGAACACCTTGCCTACTCAGTGTGGACACC
 TGTATGCCTACGACTGGATTAGTATCCCACTGGTGTATACACAGGTGGTACTGTGGCGGTGTACAGCTT
 CTTCTGACTTGTCTAGTTGGGCGGCAGTTTCTGAACCCAGCCAAGGCCCTACCCTGGCCATGAGCTGGAC
 CTCGTTGTGCCGTCTTCACGTTCTCGAGTTCTTCTTCTATGTTGGCTGGCTGAAGGTGGCAGAGCAGC
 TCATCAACCCCTTTGGAGAGGATGATGATGATTTTGAACCAACTGGATTGTGCGACAGGAATTTGACAGT
 GTCCCTGTTGGCTGTGGATGAGATGCACAGGACCTGCCTCGGATGGAGCCGGACATGTACTGGAATAAG
 CCCGAGCCACAGCCCCCTACACAGCTGCTTCCGCCAGTTCCGTGAGTCTCCTTTATGGGCTCCACCT
 TCAACATCAGCCTGAACAAAGAGGAGATGGAGTTCCAGCCCAATCAGGAGGACGAGGAGGATGCTCACGC
 TGGCATCATTGGCCGCTTCTAGGCCTGCAGTCCCATGATCACCATCCTCCAGGGCAAACCTCAAGGACC
 AAATACTGTGGCCCAAGAGGGAATCCCTTCTCCACGAGGGCCTGCCAAAAACCAAGGCAGCCAAAC
 AGAAGCTTAGGGGCCAGGAAGACAACAAGGCCTGGAAGCTTAAGGCTGTGGACGCCTTCAAGTCTGCCCC
 ACTGTATCAGAGGCCAGGCTACTACAGTGCCCCACAGACGCCCTCAGCCCCACTCCCATGTTCTTCCCC
 CTAGAACCATCAGCGCCGTCAAAGCTTACAGTGTACAGGCATAGACACCAAGACAAGGCTTAAAGA
 CTGTGAGTTCTGGGGCAAAAAAGTTTGAATTGCTCTCAGAGAGCGATGGGGCCTTGATGGAGACCC
 AGAAGTATCTCAAGTGAGGAGGAAAAGTGTGGAGTTTAACTGACGGATATGCCAGAGATCCCCGAAAT
 CACCTCAAAGAACCTTTGGAACAATCACAACCAACATACACACTACCTCAAAGATCATGGATCCTT
 ATTGGGCTTGGAAAACAGGTCTGTCTCCACCTGAACAGGGGCACTGCATTGCCCTGTGCCCCACCC
 AGCTTCCCTTGTCTGAGCCTACCCTTCTCCACAATTTCTAGGTTCCATCACTGCCAGAGCACACTG
 GACCTACGCCAGCACTGGCTTGGGTATATACTTGGCCACCTTACAGGGATCCTAGGGAAGTGTTCGG
 GACCTTTTCTCACTTACCCTGGTATACCCGGAAGACTTCTTGGGACCAGGTGAAGGAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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MFEKLTLYCDSYIQLIPISFVLGFYVTLVVTRWWNQYENLPWPDRMLSLVSGFVEGKDEQGRLLRRTLIR
 YANLGNVLILRSVSTAVYKRFPSAQHLVQAGFMTPAEHKQLEKLSLPHNMFVWPVWFANLSMKAWLGGR
 IRDPILLQSLNEMNLTQTQCGHLYAYDWISIPLVYTQVTVAVYSFFLTCLVGRQFLNPAKAYPGHELD
 LVVPVFTFLQFFFYVWGLKVAEQLINPFGEDDDDFETNWIVDRLQVSL LAVDEMHQDLPRMEPDMYWNK
 PEPQPPYTAASAQFRRVSFMSGTFNISLNKEEMEFQPNQEDEDAHAGIIGRFLGLQSHDHHPRANSRT
 KLLWPKRESLLHEGLPKNHKAAQNVRGQEDNKAWKLKAVDAFKSAPLYQRPGYYSAPQTPLSPTPMFFP
 LEPSAPSKLHSVTGIDTKDKSLKTVSSGAKKSFELLSESDGALMEHPEVSQVRRKTVEFNLTDMPEIPEN
 HLKEPLEQSPTNIHTTLKDHMDPYWALENRSVLHLNQGHCIALCPTPASLALSLPFLHNFLGFHHCQSTL
 DLRPALAWGIYLATFTGILGKCSGPFLTSPWYHPEDFLGPGEGR

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001139443
ORF Size:	1812 bp
Buffer:	PBS with 0.001% Pluronic F9304
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_001139443.1, NP_001132915.1</u>
RefSeq ORF:	1815 bp
Locus ID:	7439
UniProt ID:	<u>O76090</u>
Cytogenetics:	11q12.3
MW:	68.9 kDa