

Product datasheet for **RC216658A1V**

Human FOXB2 (NM_001013735) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human FOXB2 (NM_001013735) AAV Particle
Tag:	Myc-DDK
Symbol:	FOXB2
Synonyms:	bA159H20.4
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC216658 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001013735, the ORF clone is codon optimized for mammalian Expression.
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**

ATGCCTCGGCCCGCAAGTCATCTTATTCTGATCAAAAGCCACCCTACTCATATATTAGCCTCACAGCGA
 TGGCTATACAGCATTAGCTGAGAAGATGTTGCCTCTCTCCGACATCTACAAATTCATCATGGAGCGGTT
 CCCCTACTACCGCAACACACCCAGCGGTGGCAGAACTCACTTAGACACAACCTGAGCTTCAATGATTGT
 TTTATTAAGATTCCCAGGAGGCCGACAGCCAGGCAAGGGTTCACTTCTGGGCACTCCACCCGATTGCG
 GAGACATGTTTGAACGGGAGCTTTCTCCGACGACGGAAGAGATTTAAGGTCTGAGAGCCGATCATAC
 CCATCTCCACGCCGGTCCACTAAATCTGCACCGGGGGCCGGCCAGGCGGGCATCTCCATCCCCACCAC
 CACCATACCCCCATCACCATCATCACCACGCCGCTGCACACCACCACCATCACCACCACCCCCAC
 AACCACCCCTCCCCGCCACCCCGCCACCCACATGGTCCACTACTTTCACCAACAGCCCCCACCAGC
 CCCGACGCCCCCGCCACCTGCCATCAGCCCCCAGCAGCCCCACAGCAAAGCCAGCCCCAGCAA
 CCTAGCCATCTGGTAAATGCAGGAGGCTGCGCGGTGGCTGCGGCTGCAGTGCCGCTGCTGTCGG
 CTGTTGGGTCTGTGGGACAGTGAAGCAGTCCCTCCCTACGGCTTGGGTTCCGCCGCCGCGCGGCCG
 CGCCGCTGCAGCCAGCACTTCCGGCTTAAAGCATCCATTGCTATTGAGAACATCATTGGCCGCGACTAT
 AAAGGCGTCTCCAAGCCGAGGACTCCCACTCGGAGTGATGCATCACTTGGGCTATCCAGTGCCAG
 GCCAGCTGGGTAACTGCTGTCTCCGTCTGGCCCCACGTGGGGTAATGGACAGTGTGGCAGCAGCCGC
 TGCCGCTGCAGTGCCGCTGGCGTTCCAGTAGGTCCGAATATGGAGCATTGGCGTGCCGCTGAAGTCC
 CTGTGCCACTCTGCAAGCCAGAGCCTGCCAGCCATGCCGTTGCCATCAAGCCAACACCAGCCCTCCAC
 CAGTGTCTGCCTTGACGCCAGGACTCACGGTGCCCGCCGATCTCAGCAGCCTCCAGCACCTCAACGGT
 GTGCAGCGCCGAGCCGCTAGCCCCGTGGCCAGCCTCCTGGAACCCACTGCACCCACATCAGCTGAGTCA
 AAAGGTGAAGCCTTCATTCCGTGTTGGTCACTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC216658 representing NM_001013735
 Red=Cloning site Green=Tags(s)

MPPRGKSSYSQKPPYSYISLTAMAIQHSAEKMLPLSDIYKFIMERFPYYREHTQRWQNSLRHNLFSNDC
 FIKIPRRPDQPGKGSFALHPDCGDMFENGSLRRRKRKFVLRADHHLHAGSTKSAPGAGPGGHLHPHH
 HHHPHHHHHHAAHHHHHHHPQPPPPPPPPHVMVYFHQQPPTAPQPPHPSQPPQPPQSQPPQ
 PSHPGMKQEAAAVAAAAAAAAAAGVSGRLSQFPPYGLGSAAAAAAAAAASTSGFKHPFAIENIIGRDY
 KGVQLQAGGLPLASVMHHLGYPVPGQLGNVSVVPHVGVMDSVAAAAAAAAAGVPVGPYGAFGVPVKS
 LCHSASQSLPAMPVPIKPTPALPPVSALQPGLTVPAASQPPAPSTVCSAAAASPVASLLEPTAPSAES
 KGGSLHSLVHVS

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001013735

ORF Size:

1296 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_001013735.1, NP_001013757.1</u>
RefSeq Size:	1299 bp
RefSeq ORF:	1299 bp
Locus ID:	442425
UniProt ID:	<u>Q5VYV0</u>
Cytogenetics:	9q21.2
MW:	45.6 kDa