

Product datasheet for **RC225889A1V**

Human AEBP2 (NM_001114176) AAV Particle

Product data:

Product Type:	AAV Particles
Tag:	Myc-DDK
Symbol:	AEBP2
Mammalian Cell	None
Selection:	
Vector:	pAAV-AC-Myc-DDK (PS100089)



ORF Nucleotide Sequence: >RC225889 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001114176, 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**CGATCGC**

ATGGCCGACGAATAACTGATATGGCAGATCTGGAGGAGCTGAGCAGGCTCTCCCCACTGCCCCCTGGCT
 CTCCGGGGTCAGCTGCGAGGGGAAGAGCCGAACCCCTGAGGAGGAGGAAGAAGAAGAGGAGGAAGA
 AGAGGCCGAAGCGGAAGCGGTAGCAGCTTTGTTGCTCAACGGAGGAAGTGGTGGTGGGGAGGCGCGGA
 GGAGGAGGAGTCGGCGGAGGGGAAGCTGAAACGATGTCAGAACCGTCCCTGAGAGCGCCTCTCAGGCGG
 GAGAGGACGAAGACGAAGAGGAGGATGACGAAGAGGAAGAAGATGAGTCTTCCAGTTCCGGCGGTGGTGA
 GGAGGAGTCAAGCGCTGAATCCCTCGTAGGGTCTCTGGGGCAGTAGTAGCGATGAAACGAGAAGCCTC
 TCACCTGGAGCAGCCTCTCCAGCAGTGGGGATGGCGATGGAAAGAGGGGCTTGGAGAGCCTAAGGGCC
 CCCCGGGCTCTCAAGGGGGGGCGGGGGGCGAGTTCTAGCTCCAGCGTGGTGGAGTGGGGCGATGA
 AGGATACGGGACCGGTGGCGGAGGTAGTTCCGCAACAAGCGGAGGAGACGCGGGAGCCTGGAGATGTCA
 TCTGACGGCGAACCTCTTAGTCGGATGGATAGTGAGGACTCTATTCATCCACCATCATGGAGCTCGATA
 GCACCATCTCTAGTGGCCGCTCCACTCTGCTATGATGAATGGCCAAGGCTCTACAACCTCTCCAGCAA
 GAACATTGCGTACAACCTGTTGCTGGGATCAGTGTGAGGCTTGTTCAACTCTCCCTGACTTGGCCGAT
 CACATTTCGGTCAATACATGTGGATGGCCAGCGGGCGCGTATTCTGTGCCTCTGGAAGGGGTGTAAGG
 TCTATAACACGCCAAGCACCTCACAGTCTTGGTTGCAACGACACATGCTGACCCACAGCGGAGACAAGCC
 TTTTAAATGTGTGGTTGGAGGATGTAATGCCTCTTTGCCAGTCAAGGAGGGTTGGCACGACAGTCCCCG
 ACACATTTCTCTCAGCAGAATCCTCAAAAGTCAGTTCTCAACCAAGGCCAAGAAGAGTCTCCCTCCA
 AGGCCGGAATGAATAAAAGGCGCAAGCTTAAAAACAAGCGCGGAGGAGTCTGCCTCGCCCCACGACTT
 CTTGACGCTCAGACCCTGGACGCCATTAGGCACAGGGCAATTTGTTCAACCTGTCTGCTCATATTGAA
 TCACTGGGCAAGGGGCACAGCGTGGTGTTCCTACTACAGTGATTGCAAAAAGAAAAGAGGATAGCGGAA
 AGATCAAACCTCTGCTGCACTGGATGCCAGAAGACATCTCCCGACGTTTGGGTCAACGAGTCTGAACG
 CCATCAGCTCAAGACCAAGGTGGTGCATCTGTCTAACTCCCAAGGACACTGCACTTCTCTGGATCCA
 AACATCTACAGGACCATGCCTCAAAAGAGACTGAAGCGCACCTCATTCGAAGGTGTTTAACTGTATT
 TGTCGAAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225889 representing NM_001114176
 Red=Cloning site Green=Tags(s)

MAAAITDMADLEELSRLSPLPPGSPGSAARGRAEPPEEEEEEEEEEEAEAEVAALLNNGSGGGGGG
 GGGVGGGEAETMSESPESASQAGEDEDEEDDEEEDESSSSGGGEESSAESLVGSSGSSSDETRSL
 SPGAASSSSGDGDKGLEEPPKGRGSQGGGGGSSSSSVSSGGDEGYGTGGGSSATSGRRGSLMS
 SDGEPLSRMDSSEDSISSTIMDVSTISSGRSTPAMMNGQGSTTSSSKNIAYNCCWDQCQACFNSSPDAD
 HIRSIHVDGQRGGVFVCLWKGCKVYNTPTSSQSWLQRHMLTHSGDKPFCVVGCGNASFASQGGGLARHVP
 THFSQQNSSKVSSQPKAKEESPSKAGMNRRLKNKRRRSLPRPHDFDAQTLDAIRHRAICFNL SAHIE
 SLGKGHSVVFHSTVIKRKEDSGKIKLLHWPEDILPDVWVNESERHQLKTKVVHL SKLPKDTALLLDP
 NIYRTMPQKRLKRTLIRKVFNL YLSKQ

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species: Human

Serotype: AAV-2

ACCN:	NM_001114176
ORF Size:	1551 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_001114176.1</u> , <u>NP_001107648.1</u>
RefSeq Size:	5099 bp
RefSeq ORF:	1554 bp
Locus ID:	121536
UniProt ID:	<u>Q6ZN18</u>
Cytogenetics:	12p12.3
MW:	54.5 kDa