

Product datasheet for **RC226607A1V**

Human ZNF879 (NM_001136116) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ZNF879 (NM_001136116) AAV Particle
Tag:	Myc-DDK
Symbol:	ZNF879
Synonyms:	DKFZp686E2433
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC226607 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001136116, 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**CGCATCGC**C

ATGGCCAGGCGCCTGCTGCCTGCCCACGTGCAGGAAAGCGTTACATTCAGGGATGTGGCTGTCTTCTTCT
 CTCAAGATGAGTGGCTGCATCTCGATTCCGCCAGCGCGCTGTATAGGGAAGTGATGCTCGAGAATTA
 TAGCATTCTTGTCACTCTGGGAATCCTGTTTTCAAAGCCCAAAGTGATTTCTCAGTTGGAACAGGGCGAG
 GACCCATGGATGGTGGAGTCAGGCGTGCCCGAGGCGCCCATCTTGGGTGGGAGTCACTGTTTGAACCA
 TTGTGTCCAAAGAGGAAAACCAGGAGGTCATGAAAAAGCTGATCATTGACGGGACGTTTCGATTTTAAGCT
 TGAAAAAACCTACATTAAAGAGGACAAATTGGAGAAGCAGCAGGGTAAGAAAAATAGACTTTTCAGCAAG
 GTTCTTGTTACTATTAAGAAGGTATACATGAAGGAGCGATCCTCAAGGGCGTGGAGTTCGGGAAAAATC
 TTGGACTGAAGTCTAGCCTCATCCGCAAGCCAGGATTGTGTCCCGCGGTAGAAGACCTCGGTCAACA
 GTATCCGTCTTGTTAAGCAGCTGGGCGTTAATACAGTGCACAAATGTTATAAATGCAACATCTGCGGC
 AAGATCTTCTGCACTCAAGTCCCTGAGTAAGCATCAGAGGATTCACACGGGTGAAAAGTTGTATAAGT
 GCAAGGAATGCAGAAAAGCCTTTAGCCAGAGCTCCTCCCTGACGCAACACCTGCGAGTGCACACCGGGGA
 AAAGCCCTATATTTGTAGTGAGTGCGGAAAGGCATTTTCTTTCACGACGTCAGTGATCGGGCACCAGAGA
 ATGCATACGGGAGAACGGCCCTATAAATGTAAAGAGTGCGGGAAGACCTTTAAGGGGAGCAGCAGTTTGA
 ATAACCACCAGAGAATCCACACAGGAGAAAAACCATATAAGTGTAAACGAATGCGGGCGCGCTTCAGCCA
 ATGTTCTTCACTTATACAGCATCATCGGATCCACACGGGGAAAAACCATACGAATGCACCAATGCGGC
 AAAGCATTCAAGCATATCTAGGCTGTCAAGGCATCATAGAATCCATACAGGCGAAAAGCCGTTTCACT
 GCAACGAGTGTGGAAGGTGTTCTCTATCATTAGCTCTCATCATCCACCAGAGAATCCACACCGGCGA
 AAAACCCTATGCATGCAAGGAGTGTGGAAGGCCTTCAGTCAGTCTCTGCCCTGATTCAGCACCAGCGG
 ATACACACGGGGAAAAAGCCATATAAGTGTAAAGAGTGTGGGAAAGCTTTTCTTGATTTCACGCCTCA
 ACATCCACCACAGGATACACACAGGGGAAAAACCTACAACGTAAAGAATGTGGTAAAGCTTTTTCATC
 CCATTCGGAGTTAATACCCACAGAAAGATCCATACGGGAGAAAAACCTACAAGTGTAAATGACTGCGAA
 AAAGCGTTTAACAGTCTCTGCTCTGATTCAACATCAACGGATCCACACCGGAGAAAAACCTATAATT
 GTAAAGTGTGCGGCAAGCTTTTCGGCAGAGCTCCAGCTTGATGACGCACATGAGAATCCATACAGGCGA
 AAAGCCATATAAGTGCAAGAATGTGGAAGCATTAGTCAGTCCAGCAGCCTTACTAATCATCAGAGG
 ACCCAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC226607 representing NM_001136116 Red=Cloning site Green=Tags(s) MARRLLPAHVQESVTRFDVAVFFSQDEWLHLSAQRALYREVMLNYSILVSLGILFSKPKVISQLEQGE DPWMVESGVPQGAHLGWESLFGTIVSKEENQEVMMKLIIDGTFDFKLEKTYINEDKLEKQGGKNRFLFSK VLVTIKKVYMKERSFKGVFEGKNLGLKSSLIRKPRIVSRRRPRSQQYSVLFKQLGVNTRKCYKCNICG KIFLHSSSLSKHQRIHTGEKLYKCKEGRKAFSQSSSLTQHLRVHTGEKPYICSECGKAFSFTTSLIGHQR MHTGERPYKCKEKGKTFKGSSSLNNHQRIHTGEKPYKNECGRAFSQCSSLIQHHRIHTGEKPYECTQCG KAFTSISRLSRHHRIHTGEKPFHCNECGKVFSYHSALIIHQRIHTGEKPYACKECGKAFSQSSALIQHQR IHTGEKPYKNECGKAFSWISRLNIHHRIHTGEKPYNCKEKGKAFSSSGVNTHRKIHTGEKPYKNCNDCE KAFNQSSALIQHQRIHTGEKPYNCKVCGKAFRQSSSLMTHMRIHTGEKPYKCKEKGKAFSQSSSLTNHQR THN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001136116
ORF Size:	1689 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_001136116.1, NP_001129588.1</u>
RefSeq Size:	2644 bp
RefSeq ORF:	1692 bp
Locus ID:	345462
UniProt ID:	<u>B4DU55</u>
Cytogenetics:	5q35.3
MW:	64.6 kDa