

Product datasheet for **RC207465A1V**

Human RUFY1 (NM_001040451) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human RUFY1 (NM_001040451) AAV Particle
Tag:	Myc-DDK
Symbol:	RUFY1
Synonyms:	RABIP4; ZFYVE12
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC207465 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGATGGAGGAGCGTGCCAACCTGATGCACATGATGAACTCAGCATCAAGGTGTTGCTCCAGTCGGCTC
 TGAGCCTGGGCCGAGCCTGGATGCGGACCATGCCCCCTGCAGCAGTTCTTTGTAGTGATGGAGCACTG
 CCTCAAACATGGGCTGAAAGTTAAGAAGAGTTTATTGGCCAAAATAAATCATTCTTTGGTCCTTTGGAG
 CTGGTGGAGAACTTTGTCCAGAAGCATCAGATATAGCGACTAGTGTCAGAAATCTTCCAGAATTAAGA
 CAGCTGTGGGAAGAGGCCGAGCGTGGCTTTATCTTGCACTCATGAAAAGAACTGGCAGATTATCTGAA
 AGTGCTTATAGACAATAAACATCTCTTAAGCGAGTTCTATGAGCCTGAGGCTTTAATGATGGAGGAAGA
 GGGATGGTGATTGTTGGTCTGCTGGTGGGACTCAATGTTCTCGATGCCAATCTCTGCTTGAAAGGAGAAG
 ACTTGGATTCTCAGTTGGAGTAATAGATTTTTCCCTCTACCTTAAGGATGTGCAGGATCTTGATGGTGG
 CAAGGAGCATGAAAGAATTACTGATGTCCTTGATCAAAAAAATTATGTGAAGAACTTAACCGGCACTTG
 AGCTGCACAGTTGGGGATCTTCAAACCAAGATAGATGGCTTGGAAAAGACTAACTCAAAGCTTCAAGAAG
 AGCTTTGAGCTGCAACAGACCGAATTTGCTCACTTCAAGAAGAAGCAGCAGCTTAAGAGAACAAAATGA
 ATTAATTCGAGAAAGAAGTGAAGAGAGTGATAGATAACAAAACAGGATACCAAAGTTGAGCTGGAGACT
 TACAAGCAAACTCGGCAAGGTCTGGATGAAATGTACAGTGATGTGTGGAAGCAGCTAAAAGAGGAGAAGA
 AAGTCCGGTTGGAAGTGAAGAAAGAACTGGAGTTACAAATTGGAATGAAACCGAAATGGAATTTGCAAT
 GAAGTTACTGGAAGGACACCCACGAGAAGCAGGACACACTAGTTGCCCTCCGCCAGCAGCTGGAAGAA
 GTCAAAGCGATTAATTTACAGATGTTTCACAAAGCTCAGAATGCAGAGAGCAGTTTGCAGCAGAAGAATG
 AAGCCATCACATCCTTTGAAGGAAAAACCAACCAAGTTATGTCCAGCATGAAACAAATGGAAGAAAGGTT
 GCAGCACTCGGAGCGGGCGAGGCAGGGAGCTGAGGAGCGGAGCCACAAGCTGCAGCAGGAGCTGGGCGGG
 AGGATCGGCGCCTGCAGCTGCAGCTCTCCAGCTGCACGAGCAATGCTCAAGCCTGGAGAAAGAATTGA
 AATCAGAAAAAGAGCAAAGACAGGCTCTTCAGCGCAATTACAGCACGAGAAAGACACTTCTCTCTACT
 CAGGATGGAGCTGCAACAAGTGAAGGACTGAAAAAGGAGTTGCGGGAGCTTCAGGACGAGAAGGCAGAG
 CTGCAGAAGATCTGCGAGGAGCAGGAACAAGCCTCCAGGAAATGGGCCTGCACCTCAGCCAGTCCAAGC
 TGAAGATGGAAGATATAAAGAAGTGAACAGGCACTGAAGGGCCACGCCTGGCTGAAAGATGACGAAGC
 GACACACTGTAGGCAGTGTGAGAAGGAGTTCTCCATTTCCCGAGAAAGCACCCTGCCGGAAGTGTGGC
 CACATCTTCTGCAACACCTGCTCCAGCAACGAGCTGGCCCTGCCCTCTACCCCAAGCCGGTGCGAGTGT
 GCGACAGCTGCCACACCTGCTCCTGCAGCGCTGCTCCTCCACGCGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207465 protein sequence
 Red=Cloning site Green=Tags(s)

MMEERANLMHMMKLSIKVLLQSALSLGRSLDADHAPLQQFFVVMHCLKHGLKVKKSFIGQNKSFSGPLE
 LVEKLCPASDIATSVRNLPKLTAVGRRAWLYALMQKKLADYLVKVLIDNKHLLSEFYEPALMMEEE
 GMVIVGLLVGLNVLDANLCLKGEDLDSQGVIDFSLYLKDVQDLGGKEHERITDVLQKNYVEELNRHL
 SCTVGDLQTKIDGLEKTNSKLQEELSAATDRICSLQEEQQQLREQNELIRERSEKSVEITKQDTKVELET
 YKQTRQGLDEMYSVWVKLKEEKVRLLEKELELQIGMKTEMIAMKLEKDTHEKQDTLVALRQQLLEE
 VKAINLQMFHKAQNAESSLQQKNEAITSFEGKTNQVMSSMKQMEERLQHSEARQGAERSHKLQQLGG
 RIGALQLQLSQLHEQCSSLEKELKSEKEQRQALQRELQHEKDTSSLRMELQQVEGLKKELRELQDEKAE
 LQKICEEQEQALQEMGLHLSQSKLMEDIKEVNAQKLGAWLKDEATHCRQCEKEFSISRRKHHCRCNG
 HIFCNTCSSNELALPSYPKPVRCDSCHTLLLRCSSTAS

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_001040451
ORF Size:	1800 bp
Buffer:	PBS with 0.001% Pluronic F6070
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_001040451.1</u>
RefSeq Size:	2674 bp
RefSeq ORF:	1803 bp
Locus ID:	80230
UniProt ID:	<u>Q96T51</u>
Cytogenetics:	5q35.3
MW:	69.1 kDa