

Product datasheet for **RC215676A1V**

Human PANK2 (NM_153638) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human PANK2 (NM_153638) AAV Particle
Tag:	Myc-DDK
Symbol:	PANK2
Synonyms:	C20orf48; HARP; HSS; NBIA1; PKAN
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC215676 representing NM_153638
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGAGGAGGCTCGGGCCCTTCCACCCACGCGTCCATTGGGCGGCGCCGCATCACTCTCTTCTGGGCTAC
 ACCGCCTTCTCTTCCGCGGAACCCGATCCCTCCTCCACCACCTCTCCCCGCCCCGTACGATAG
 CCTCTCATTGGACGAGGCACGGTCAATCCTCCTCGAGTTAGGAGCCGACTGGACGCGAGGCCCTTTGGG
 CCGTCCCCAGCCTCGTCGGATTGGCTTCTGCGCTTGGCGCAACGGAAGAGGCGGCCGCGGAGGGCGC
 GCCTCTGCTCTGGCTGGACTGCCGCGGAGGAGGCGAGAAGGAATCCGACGCTGGGGGCTTGTCTGGGCG
 GCAGCGACTGCTGCTGCGGATGGGAGGGGGCGGCTCGGCGGCCCATGGAGCGCCACGGCAGGGCTTCC
 GCCACCTCCGTCTCGTCGGCTGGGAGCAGGCGGCCGGGACCCGAAGGGCGGCGCAGGAGCCACTGC
 GGCGCCGGGCGAGCAGCGCTCGGTGCCGCGGTGGGGCTCGGCTGAGGGCACGAGGCGGGATCGACT
 GGGCTCTTACAGCGGCCCCACCTCGGTCTCCGCCAGCGCTGAAAGCCTGAGGAAAAAGCGGCCGCTT
 TTTCCATGGTTTGGACTGGATATCGGTGGAATCTGGTCAAGCTGGTATATTTTGAACCCAAAGACATCA
 CTGCTGAAGAAGAAGAGGAAGAAGTGGAAAGTCTTAAAGCATTGGAAGTACCTGACCTCCAATGTGGC
 TTATGGGTCTACAGGCATTGGGACGTGCACCTCGAGCTGAAGGACCTGACTCTGTGTGGACGCAAGGC
 AATCTGCACCTTATACGCTTCCCACTCATGACATGCCTGCTTTTATTCAATGGGCAGAGATAAAAACT
 TCTCGAGTCTCCACACTGTCTTTTGTCCACTGGAGGTGGAGCGTACAAATTTGAGCAGGATTTTCTCAC
 AATAGGTGATCTTCAGCTTTGCAAACTGGATGAAGTATGCTTGTGATCAAGGAATTTTATACATTGAC
 TCAGTCGGATTCAATGGACGGTCACAGTGTCTTACTTTGAAAACCTGCTGATTCTGAAAAGTGTGAGA
 AGTTACCATTTGATTTGAAAAATCCGTATCCTCTGCTTCTGGTGAACATTGGCTCAGGGGTTAGCATCTT
 AGCAGTATATTCCAAAGATAATTACAAACGGGTACAGGTAAGTCTTGGAGGAGGAACCTTTTTTGGT
 CTCTGCTGTCTTCTTACTGGCTGTACCCTTTTGAAGAAGCTCTTGAATGGCATCTCGTGGAGATAGCA
 CCAAAGTGATAAACTAGTACGAGATATTTATGGAGGGGACTATGAGAGGTTTGGACTGCCAGGTGGGC
 TGTGGCTTCAAGCTTTGAAACATGATGAGCAAGGAGAAGCGAGAGGCTGTGAGTAAAGAGGACCTGGCC
 AGAGCGACTTTGATCACCATACCAACAACATTGGCTCAATAGCAAGAATGTGTGCCCTTATGAAAACA
 TTAACCAGGTGGTATTTGTTGAAATTTCTTGAGAATTAATACGATCGCCATGCGGCTTTTGGCATATGC
 TTTGGATTATTGGTCAAGGGGAGTTGAAAGCACTTTTTTCGGAACACGAGGGTATTTTGGAGCTGTT
 GGAGCACTCCTGAGCTGTTGAAGATCCCG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MRRLGPFHPRVHWAAPPSLSSGLHRLFLRGTRIPSSSTLSPPRHDSLSDGGTVNPPRVREPTGREAFG
 PSPASSDWLPARWRNGRGRPRARLCSGWTAAEEARRNPTLGGLLGRQRLLLRMGGGRLGAPMERHGRAS
 ATSVSSAGEQAAGDPEGRRQPEPLRRRASSASVPAVGASAEGRDRDLGSYSGPTSVSRQRVESLRKKRPL
 FPWFGLDIGGLVKLVYFEPKDIATAEEEEVEESLKSIRKYLTSNVAYGSTGIRDVHLEKDLTLCGRKG
 NLHFIRFPTHMPAFIQMRDKNFSSLHTVFCATGGGAYKFEQDFLTIGDLQLCKLDELCLIKGILYID
 SVGFNGRSQCYYFENPADSEKQKLPFDLKNPYPLLLVNIGSGVSILAVYSKDNKYKRVGTSLGGGTFFG
 LCCLLTGCTTFEEALEMASRGDSTKVDKLVVDIYGGDYERFGLPGWAVASSFGNMMSKEKREAVSKEDLA
 RATLITITNNIGSIARMCALNENINQVVFVGNFLRINTIAMRLLAYALDYWSKGQLKALFSEHEGYFGAV
 GALLELLKIP

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_153638
ORF Size:	1710 bp
Buffer:	PBS with 0.001% Pluronic F7420
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_153638.2, NP_705902.2</u>
RefSeq Size:	2280 bp
RefSeq ORF:	1713 bp
Locus ID:	80025
UniProt ID:	<u>Q9BZ23</u>
Cytogenetics:	20p13
MW:	59.1 kDa