

Product datasheet for **RC220147A1V**

Human **GPATCH2 (NM_018040)** AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human GPATCH2 (NM_018040) AAV Particle
Tag:	Myc-DDK
Symbol:	GPATCH2
Synonyms:	CT110; GPATC2; Pfa1; PPP1R30
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC220147 representing NM_018040
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTCTGGGGCCCGGGCGCCAAACCGATCGGAGCTCCAGCAGCCGGGAACAGCTGGCATTTCAGTAGAA
 CCATGGAGGAGCTGGTTCATGACCTTGTCTCAGCATTGGAAGAGAGCTCAGAGCAAGCTCGAGGTGGATT
 TGCTGAAACAGGAGACCATCTCGAAGTATATCTTGCCCTCTGAAACGCCAGGCAAGGAAAGGAGAGGG
 AGAAAACGGAGGTCGTATAATGTGCATACCCGTGGGAGACTGGTCACTGCTTAAGTGAAGGCTCTGATT
 CTAGTTTAGAAGAACCAAGCAAGGACTATAGAGAGAATCACAATAATAATAAAAAAGATCACAGTGACTC
 TGATGACCAATGTTAGTAGCAAAGCGCAGGCCGTATCAAACTTAAATAATAATGTTTCGAGGGAAAAGA
 CCTCTATGGCATGAGTCTGATTTTGTGTGGACAATGTTGGGAATAGAACTCTGCGCAGGAGGAGAAAGG
 TAAACGCATGGCAGTAGATCTCCACAGGACATCTCTAACAAACGGACAATGACCCAGCCACCTGAGGG
 TTGTAGAGATCAGGACATGGACAGTGATAGAGCCTACCACTATCAAGAATTTACCAAGAACAAAGTCAAA
 AAAAGAAAGTTGAAAATAATCAGACAAGGACCAAAATCCAAGATGAAGGAGTAGTTTTAGAAAGTGAGG
 AAACGAACCAGACCAATAAGGACAAAATGGAATGTGAAGAGCAAAAAGTCTCAGATGAGCTCATGAGTGA
 AAGTGATTCCAGCAGTCTCAGCAGCACTGATGCTGGATTGTTTACCAATGATGAGGGAAGACAAGGTGAT
 GATGAACAGAGTGACTGGTCTACGAAAAGGAATCAGGTGGAGCATGTGGTATCACTGGAGTTGTGCCCT
 GGTGGGAAAAGGAAGATCCTACTGAGCTAGACAAAAATGTACCAGATCCTGTCTTTGAAAGTATCTTAAC
 TGGTCTTTTCCCTTATGTACACCCAAGCAGAAGAGGTTTCCAAGCTAGACTCAGTCGCCTTCATGGA
 ATGTCTTCAAAGAATATTAATAAATCTGGAGGGACTCCAATTCAATGGTACCCATTCTTGCCCCAGTGG
 GTAACAAGAGAATGGTTCATTTTCCCGGATTCTCATCACCATGACCATTGGTTTAGCCCTGGGGCTAG
 GACAGAGCATGACCAGCATCAGCTTCTGAGAGATAATCGAGCTGAAAGAGGACACAAGAAAAATTTGTTCT
 GTGAGAACAGCCAGCAGGCAACAAGCATGCATTTAGGATCCTTATGCACGGGAGATATCAAACGGAGAA
 GAAAAGCTGCACCTTTGCCTGGACCTACTACTGCAGGATTTGTAGGTGAAAATGCCAGCCAATCCTAGA
 AAATAATATTGGAACCGAATGCTTCAGAATATGGGCTGGACGCTGGGTGAGCCTTGACGAGATGGC
 AAGGGGATCTCTGAGCAATTCAAGCCATGCAGAGGCCAAAGGGATTAGGACTTGGATTTCTCTACCAA
 AAAGTACTTCCGCACTACTACCCCAATGCAGGAAAAATCCGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MFGAAGRQPIGAPAAAGNSWHFSRTMEELVHDLVSALEESSEQARGGFAETGDHSRSISCPKLRQARKRRG
 RKRRSYNVHHPWETGHCLSEGSDDSLLEEPSKDYRENHNNKKDHSDDDQMLVAKRRPSSNLNNVVRGKR
 PLWHESDFAVDNVGNRTLRRRRKVKRMVDLPQDISNKRMTQPPEGCRDQDMSDRAYQYQEFTKNKVK
 KRKLKIIIRQGPQIQDEGVVLESEETNQTNKDKMECEEQKVSELMSESDSSLSSTDAGLFTNDEGRQGD
 DEQSDWFYEKESGGACGITGVVPWWEKEDPTELDKNVPDPVFESILTGSFPLMSPSRRGFQARLSRLHG
 MSSKNIKKSGGTPTSMVPIPGPVGNKRMVHSPDSHHHDHWFSPGARTEHDQHQLLRDNRERGHKKNC
 VRTASRQTSMLHLSLCTGDIKRRRKAAPLPGPTTAGFVGENAQPILENNIGNRMLQNMGWTPGSGGLGRDG
 KGISEPIQAMQRPKGLGLGFPLPKSTSATTPNAGKSA

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_018040

ORF Size:

1584 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_018040.1</u>
RefSeq Size:	2338 bp
RefSeq ORF:	1587 bp
Locus ID:	55105
UniProt ID:	<u>Q9NW75</u>
Cytogenetics:	1q41
MW:	58.8 kDa