

Product datasheet for **RC213896A1V**

Human SHP1 (PTPN6) (NM_002831) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SHP1 (PTPN6) (NM_002831) AAV Particle
Tag:	Myc-DDK
Symbol:	PTPN6
Synonyms:	HCP; HCPH; HPTP1C; PTP-1C; SH-PTP1; SHP-1; SHP-1L; SHP1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC213896 representing NM_002831
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGTGAGGTGGTTTCACCGAGACCTCAGTGGGCTGGATGCAGAGACCCTGCTCAAGGGCCGAGGTGTCC
 ACGGTAGCTTCCCTGGCTCGGCCAGTCGCAAGAACCAGGGTGACTTCTCGCTCTCCGTCAGGGTGGGGGA
 TCAGGTGACCCATATTCCGATCCAGAATCAGGGGATTCTATGACCTGTATGGAGGGGAGAAGTTTGGC
 ACTCTGACAGAGCTGGTGGAGTACTACACTCAGCAGCAGGGTGTCTGCAGGACCGCAGCGCACCATCA
 TCCACCTCAAGTACCGCTGAAGTGTCCGATCCCACTAGTGAGAGGTGGTACCATGGCCACATGTCTGG
 CGGGCAGGCAGAGACGCTGCTGCAGGCCAAGGGCGAGCCCTGGACGTTTCTTGTGCGTGAGAGCCTCAGC
 CAGCCTGGAGACTTCGTGCTTTCTGTGCTCAGTGACCGCCAAAGGCTGGCCAGGCTCCCCGCTCAGGG
 TCAACCCACATCAAGGTCAATGTGCGAGGGTGGACGCTACACAGTGGTGGTTTGGAGACCTTCGACAGCCT
 CACGGACCTGGTGGAGCATTTCAAGAAGACGGGGATTGAGGAGCCTCAGGCGCCTTTGTCTACCTGCGG
 CAGCCGTAATGACGAGGGTGAATGCGGCTGACATTGAGAACCGAGTGTGGAACTGAACAAGAAGC
 AGGAGTCCGAGGATACAGCCAAGGCTGGCTTCTGGGAGGAGTTTGAGAGTTTGCAGAAGCAGGAGGTGAA
 GAACTTGACACGCGTCTGGAAGGGCAGCGGCCAGAGAACAAGGGCAAGAACCGTACAAGAACATTCTC
 CCCTTTGACACAGCCGAGTGATCCTGCAGGGACGGGACAGTAACATCCCCGGTCCGACTACATCAATG
 CCAACTACATCAAGAACCAGCTGCTAGGCCCTGATGAGAACGCTAAGACCTACATCGCCAGCCAGGGCTG
 TCTGGAGGCCACGGTCAATGACTTCTGGCAGATGGCGTGGCAGGAGAACAGCCGTGTATCGTCATGACC
 ACCCGAGAGGTGGAGAAAGGCCGAACAAATGCGTCCCATACTGGCCGAGGTGGGATGCAGCGTGCTT
 ATGGGCCCTACTCTGTGACCAACTGCGGGGAGCATGACACAACCGAATACAACTCCGTACCTTACAGGT
 CTCCCCGCTGGACAATGGAGACCTGATTGCGGAGATCTGGCATTACAGTACCTGAGCTGGCCCGACCAT
 GGGGTCCCCAGTGAGCCTGGGGGTGTCCTCAGCTTCTGGACCAGATCAACCAGCGGCAGGAAAGTCTGC
 CTCACGACGGGCCATCATCGTGCATGACGCGCCGCGATCGGCCGACAGGCACCATCATTGTATCGA
 CATGCTCATGGAGAATCTCCACCAAGGGCTGGACTGTGACATTGACATCCAGAAGACCATCCAGATG
 GTGCGGGCGCAGCGCTCGGGCATGGTGCAGACGGAGGCGCAGTACAAGTTCATCTACGTGGCCATCGCCC
 AGTTTCATTGAAACCACTAAGAAGAAGCTGGAGGTCTGCAGTCGAGAAGGGCCAGGAGTCGGAGTACGG
 GAACATCACTATCCCCAGCCATGAAGAATGCCATGCCAAGGCCTCCCGACCTCGTCCAAACACAAG
 GAGGATGTGTATGAGAACCTGCACACTAAGAACAAGAGGGAGGAGAAAGTGAAGAAGCAGCGGTACGAG
 ACAAGGAGAAGAGCAAGGTTCCCTCAAGAGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MVRWFHRLDLSGLDAETLLKGRGVHGSFLARPSRKNQGDFSLSVRVGDQVTHIRIQNSGDFYDLYGGEKFA
 TLTELVEYYTQQQGVLDQDRDGTIIHLKYPLNCSDPYTSRWHYHGMSSGQAETLLQAKGEPWTFVRESLS
 QPGDFVLSVLDQPKAGPGSPLRVTHIKVMCEGGRYTVGGLETDFSLTDLVEHFKKTGIEEASGAFVYLR
 QPYATRVNAADIENRVLELNKKQSEDTAKAGFWEFESLQKQEVKNLHQRLEGQRPENKGNRYKNIL
 PFDHSRVILQGRDSNIPGSDYINANYIKNQLLGPDENAKTYIASQGCEATVNDFWQMAWQENSRIVMT
 TREVEKGRNKCVPYWPVEVGMQRAYGPYSVTNCGEHDTEYKLRTLQVSPLDNGDLIREIWHYQYLSWPDH
 GVPSEPGVLSFLDQINQRQESLPHAGPIIVHCSAGIGRTGTIIIDMLMENISTKGLDCDIDIQTIQM
 VRAQRSGMVQTEAQYKFYVIAQFIETTKKLEVLQSQKQSEYGNITYPPAMKNAHAKASRTSSKHK
 EDVYENLHTKNKREEKVKKQRSADKEKSKGSLKRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_002831
ORF Size:	1785 bp
Buffer:	PBS with 0.001% Pluronic F7126
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_002831.3</u>
RefSeq Size:	2253 bp
RefSeq ORF:	1788 bp
Locus ID:	5777
UniProt ID:	<u>P29350</u>
Cytogenetics:	12p13.31
MW:	67.4 kDa