

Product datasheet for **RC220029A1V**

Human SHP2 (PTPN11) (NM_002834) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SHP2 (PTPN11) (NM_002834) AAV Particle
Tag:	Myc-DDK
Symbol:	PTPN11
Synonyms:	BTP3; CFC; JMML; METCDS; NS1; PTP-1D; PTP2C; SH-PTP2; SH-PTP3; SHP2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC220029 representing NM_002834
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGACATCGCGGAGATGGTTTCACCCAAATATCACTGGTGTGGAGGCAGAAAACCTACTGTTGACAAGAG
 GAGTTGATGGCAGTTTTTTGGCAAGGCCTAGTAAAAGTAACCCTGGAGACTTCACACTTTCCGTTAGAAG
 AAATGGAGCTGTACCCACATCAAGATTCAAGCACTGGTGATTACTATGACCTGTATGGAGGGGAGAAA
 TTTGCCACTTTGGCTGAGTTGGTCCAGTATTACATGGAACATCACGGGCAATTAAGAGAGAAGATGGAG
 ATGTCATTGAGCTTAAATATCCTCTGAAGTGTGCAGATCCTACCTCTGAAAGGTGGTTTCATGGACATCT
 CTCTGGGAAAGAAGCAGAGAAATTATTAAGTAAAAAGGAAAACATGGTAGTTTTCTTGACGAGAGAGC
 CAGAGCCACCCTGGAGATTTTGTCTTTCTGTGCGCACTGGTGATGACAAAGGGGAGAGCAATGACGGCA
 AGTCTAAAGTGACCCATGTTATGATTGCTGTGAGGAAGTAAATACGACGTTGGTGGAGGAGAAGCGTT
 TGATTCTTTGACAGATCTTGGAACATTATAAGAAGAATCCTATGGTGGAAACATTGGGTACAGTACTA
 CAACTCAAGCAGCCCTTAACACGACTCGTATAAATGCTGCTGAAATAGAAAGCAGAGTTGAGAACTAA
 GCAAAATTAGCTGAGACCACAGATAAAGTCAAACAAGGCTTTTGGGAAGAAATTTGAGACACTACAACAAC
 GGAGTGCAAACTTCTCTACAGCCGAAAAGAGGGTCAAAGGCAAGAAAACAAAAACAAATAGATATAAA
 AACATCCTGCCCTTTGATCATACAGGGTTGTCTACACGATGGTGATCCCAATGAGCCTGTTTCAGATT
 ACATCAATGCAAAATCATCATGCTGAATTTGAAACCAAGTGCAACAATTCAAAGCCCAAAAAGAGTTA
 CATTGCCACACAAGGCTGCCTGCAAAACACGGTGAATGACTTTTGGCGGATGGTGTCCAAGAAAACCTCC
 CGAGTGATTGTGATGACAACGAAAGAAGTGGAGAGAGGAAAGAGTAAATGTGTCAAATACTGGCCTGATG
 AGTATGCTCTAAAAGAATATGGCGTCATGCGTGTTAGGAACGTCAAAGAAAGCGCCGCTCATGACTATAC
 GCTAAGAGAACTTAACTTTCAAAGGTTGGACAAGGGAATACGGAGAGAAACGGTCTGGCAATACCACTTT
 CGGACCTGGCCGACACGCGTGCACGACCTGGGGCGTGCTGGACTTCTGGAGAGGTGCACC
 ATAAGCAGGAGAGCATCATGGATGCAGGGCCGGTCTGGTGCACTGCAGTGCTGGAATTGGCCGGACAGG
 GACGTTCAATTGTGATTGATATTCTTATTGACATCATCAGAGAGAAAGGTGTTGACTGCGATATTGACGTT
 CCCAAACCATCCAGATGGTGCGGTCTCAGAGGTGAGGATGGTCCAGACAGAAGCACAGTACCGATTTA
 TCTATATGGCGGTCCAGCATTATATTGAAACACTACAGCGCAGGATTGAAGAAGAGCAGAAAAGCAAGAG
 GAAAGGGCACGAATATACAAATATTAAGTATTCTTAGCGGACCAGACGAGTGGAGATCAGAGCCCTCTC
 CCGCTTGTACTCCAACGCCACCCTGTGCAGAAATGAGAGAAGACAGTGTAGAGTCTATGAAAACGTGG
 GCCTGATGCAACAGCAGAAAAGTTTCAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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MTSRRWFHPNITGVEAENLLLTRGVDGSFLARPSKSNPGDFTLSVRRNGAVTHIKIQNTGDYYDLYGGEK
 FATLAELVQYYMEHHGQLKEKNGDVIELKYPLNCADPTSERWFHGLSGKEAEKLLTEKGKHSFLVRES
 QSHPGDFVLSVRTGDDKESNDGKSKVTHVMIRCQELKYDVGGGERFDSLTDLVEHYKKNPMVETLGTVL
 QLKQPLNTRINAAEIESRVRELSKLAETTDKVKQGFWEFETLQQQECKLLYSRKEGQRQENKNKNRYK
 NILPFDHTRVVLHDGDPNEPVS DYINANIIMPEFETKCNNSPKKSYIATQGCLQNTVND FWRMVQENS
 RVIMTTKEVERGKSKCVKYPDEYALKEYGVMRVRNVKESAAHDYTLRELKLSKVGQGNTERTVWQYHF
 RTWPDHGVPSDPGGVLDLFL EEVHHKQESIMDAGPVVHCSAGIGRTGTFIVIDILIDI IREKGVDCIDV
 PKTIQMVR SQRS GMVQTEAQYRFIYMAVQHYIETLQRRIEEEQSKRK GHEYTNIKYSLADQTS GDQSPL
 PPCTPTPPCAEMREDSARVYENVGLMQQKQKSF

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_002834
ORF Size:	1779 bp
Buffer:	PBS with 0.001% Pluronic F8101
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_002834.3</u>
RefSeq Size:	6300 bp
RefSeq ORF:	1782 bp
Locus ID:	5781
UniProt ID:	<u>Q06124</u>
Cytogenetics:	12q24.13
MW:	67.8 kDa