

Product datasheet for **RC222143A1V**

Human P2RX7 (NM_002562) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human P2RX7 (NM_002562) AAV Particle
Tag:	Myc-DDK
Symbol:	P2RX7
Synonyms:	P2X7
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC222143 representing NM_002562
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGCGCTGCTGCAGCTGCAGTGATGTTTTCCAGTATGAGACGAACAAAGTCACTCGGATCCAGAGCA
 TGAATTATGGCACCATTAAAGTGGTTCTTCCACGTGATCATCTTTTCTACGTTTGCTTTGCTCTGGTGAG
 TGACAAGCTGTACCAGCGGAAAGAGCCTGTCATCAGTTCTGTGCACACCAAGGTGAAGGGGATAGCAGAG
 GTGAAAGAGGAGATCGTGGAGAATGGAGTGAAGAAGTTGGTGCACAGTGTCTTTGACACCGCAGACTACA
 CCTTCCCTTTCAGGGGAACTCTTTCTCGTGATGACAACTTTCTCAAACAGAAGGCCAAGAGCAGCG
 GTTGTGTCCCGAGTATCCACCCGAGGACGCTCTGTTCTGTACCGAGGTTGTAAAAAGGGATGGATG
 GACCCGACAGCAAAGGAATTCAGACCGGAAGGTGTAGTGTATGAAGGGAACCAAGACCTGTGAAG
 TCTCTGCCTGGTCCCCATCGAGGCAGTGAAGAGGCCCGCCGCTGCTCTTTGAACAGTGCCGAAAA
 CTTCACTGTGCTCATCAAGAACAATATCGACTTCCCGGCCACAACCTACACCACGAGAAACATCTGCCA
 GGTTTAAACATCACTTGTACCTCCACAAGACTCAGAATCCACAGTGTCCATTTTCCGACTAGGAGACA
 TCTTCCGAGAAACAGGCGATAATTTTTAGATGTGGCAATTCAGGGCGGAATAATGGGCATTGAGATCTA
 CTGGGACTGCAACCTAGACCGTTGGTTCATCACTGCCGTCCCAAATACAGTTTCCGTCGCCCTTGACGAC
 AAGACCACCAACGTGTCTTGTACCTGGCTACAACCTCAGATACGCCAAGTACTACAAGGAAAAAATG
 TTGAGAAACGGACTCTGATAAAAGTCTTCGGGATCCGTTTGCATCCTGGTGGTGGTGGTGGTGGTGGT
 ATTTGACATTATCCAGCTGGTGTGTACATCGGCTCAACCTCTCCTACTTCGGTCTGGCCGCTGTGTTT
 ATCGACTTCTCATCGACACTTACTCCAGTAAGTGTGCTGCTGCCATATTTATCCCTGGTGAAGTGTCT
 GTCAGCCCTGTGTGGTCAACGAATACTACTACAGGAAGAAGTGCAGTCCATTGTGGAGCCAAAGCCGAC
 ATTAAGATATGTGTCCTTTGTGGATGAATCCACATTAGGATGGTGAACCAAGCAGCTACTAGGGAGAAAT
 CTGCAAGATGTCAAGGGCCAAGAAGTCCCAAGACCTGCGATGGACTTCACAGATTGTCCAGGCTGCCCC
 TGGCCCTCCATGACACACCCCGATTCTGGACAACAGAGGAGATACAGCTGCTTAGAAAGGAGGCGAC
 TCCTAGATCCAGGGATAGCCCCGTGTGGTCCAGTGTGGAAGCTGCCTCCCATCTCAACTCCCTGAGAGC
 CACAGGTGCTGGAGGCGCTGTGCTGCCGAAAAAGCCGGGGCTGCATCACCACTCAGAGCTGTTCA
 GGAAGTGGTCTGTCCAGACAGTCTGCAGTTCCTCCTGCTCTACCAGGAGCCCTGTGGCGCTGGA
 TGTGGATTCCACCAACAGCCGGCTGCGCACTGTGCCTACAGGTGCTACGCCACCTGGCGCTTCGGCTCC
 CAGGACATGGCTGACTTTGCCATCCTGCCAGCTGCTGCCGCTGGAGGATCCGGAAAGAGTTCCGAAGA
 GTGAAGGGCAGTACAGTGGCTCAAGAGTCCTTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MPACCSCSDVFQYETNKVTRIQSMNYGTIKWFFHVIIIFSIVCFALVSDKLYQRKEPVISSVHTKVKGIAE
 VKEEIVENGVKKL VHSVFDADYTFPLQGSFFVMTNFKTEGQEQRLCPEYPTRRRLCSDDRGCKKGWM
 DPQSKGIQTGRCVVYEGNQKTCESAWCP IEAVEEAPRPALLNSAENFTVL IKNNIDFP GHNYTTRN ILP
 GLNITCTFHKTQNPQCPIFRLGDI FRETGDNFSDVAIQGGIMGIEIYWCNLD RWFH HCRPKYSFRRLDD
 KTTNVS LYPGYNFRYAKYYKENNVEKRTL IKVFGIRFDILVFGTGGKF DIIQLV VYIGSTLSYFGLAAVF
 IDFLIDTYSSNCCRSHIYPWCKCQPCVVNEYRKKCESIVEPKPTLK YVSFVDESHIRMVNQQLGRS
 LQDVKGQEVPRPAMDFDLSRLPLALHDTPIPGQPEEIQLLRKEATPRSRDSPVWCQCGSCLPSQLPES
 HRCLEALCCRKPGACITTS ELFRLVLSRHVLQFLLLYQEPLALD VDS TNSRLRHCAYRCYATWRFGS
 QDMADFAILPSCCRWRIRKEFPKSEGGYSGFSPYTRTRPLEQKLI SEEDLAANDILDYKDDDDKV*

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_002562
ORF Size:	1785 bp
Buffer:	PBS with 0.001% Pluronic F8453
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_002562.4</u>
RefSeq Size:	3155 bp
RefSeq ORF:	1788 bp
Locus ID:	5027
UniProt ID:	<u>Q99572</u>
Cytogenetics:	12q24.31
MW:	68.4 kDa