

Product datasheet for **RC216275A1V**

Human POT1 (NM_015450) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human POT1 (NM_015450) AAV Particle
Tag:	Myc-DDK
Symbol:	POT1
Synonyms:	CMM10; GLM9; HPOT1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC216275 representing NM_015450
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGCTTTGGTTCCAGCAACAAATTATATATACACCCCTGAATCAACTTAAGGGTGGTACAATTGTCA
 ATGTCTATGGTGTGTAAGTTCTTTAAGCCCCATATCTAAGCAAAGGAAGTATTATTGCTCAGTTGT
 AACTATTGTGGACCAGACAAATGTAATACTTGCCTGCTCTTTAGTGGAACTATGAAGCCCTTCCA
 ATAATTTATAAAATGGAGATATTGTTGCTTTACAGGCTGAAGATTCAAGTATATAAAAAGGAGACTC
 AGGGTATCACCAGCTCTGGCTTTGCATCTTTGACGTTTGGGAACTTTGGGAGCCCTATCATACCTCG
 CACTTCAAGCAAGTATTTAACTTCACTACTGAGGACCACAAATGGTAGAAGCCTTACGTGTTTGGCA
 TCTACTCATATGTCACCGTCTTGGACATTACTAAAATTGTGTGATGTTTCAAGCAATGCAGTATTTGACC
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 GGATATAATTTTTCAGGATGGTGCAACTAAAACCCAGTTGTCAAGTTACAAAATACATCATTATATGAT
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 GAACAAGTTTAAATAGTGAATTCCTGTGAGATCTGGCCACGAAGACCTGGAATTTTGGACCTTTCAGCA
 CCATTTCTTATACAAGGAACAATACATCACTATGGATGTAAACAGTGTCTAGTTTGAGATCCATACAAA
 ATCTAAATCCCTGGTTGATAAAACATCGTGGATTCTTCTTCTGTGGCAGAAGCACTGGGTATTGTACC
 CCTCAATATGTGTTTGTATGACCTTTACACTTGATGATGGAACAGGAGTACTAGAAGCCTATCTCATG
 GATTCTGACAAATCTTCCAGATTCCAGCATCAGAAGTTCTGATGGATGATGACCTTCAGAAAAGTGTGG
 ATATGATCATGGATATGTTTGTCTCCAGGAATAAAATTTGATGCATATCCGTGGTTGGAATGCTTCAT
 CAAGTCATACAATGTCACAAATGGAACAGATAATCAAATTTGCTATCAGATTTTGTACACCAAGTGTGCA
 GAAGATGTAATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC216275 representing NM_015450 Red=Cloning site Green=Tags(s) MSLVPATNYIYTPLNQLKGGTIVNVYGVVKKFPYLSKGTDYCSVVTIVDQTNVKLTCLLFSGNYEALP IIYKNGDIVRFHRLKIQYKKETQGITSFGASLTTFEGTLGAPIIPRTSSKYFNFTTEDHKMVEALRVWA STHMSPSWTLLKLCQVQPMQYFDLTCQLLGKAEVDGASFLKVDGTRTPFPSSWRVLIQDLVLEGLDLSHI HRLQNLITIDILVYDNHVVHVARSLKVGSLRIYSLHTKLQSMNSNQTMLSLEFHLHGGSYGRGIRVLPE SNSDVQQLKKDLESANLTANQHSVICQSEPDDSFSSGSVSLYEVECCQQLSATILTDHQLERTPLCA ILKQKAPQYRIRAKLSYKPRRLFQSVKLHCPKCHLLQEVPHGEDLDIIFQDGATKTPVVKLQNTSLYD SKIWTTKNQKGRKVAVHFVNNGILPLSNECLLLIEGGTLSEICKLSNKFNSVIPVRSGHEDLELLDLA PFLIQGTIHHYGCKQCSSLRSIQNLNSLVDKTSWIPSSVAEALGIVPLQYVFMFTLDDGTGVLEAYLM DSDKFFQIPASEVLMDDDLQKSVDIMDMFCPPGIKIDAYPWLECFIKSYNVTNGTDNQICYQIFDTTVA EDVI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_015450
ORF Size:	1902 bp
Buffer:	PBS with 0.001% Pluronic F7519
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_015450.1, NP_056265.1</u>
RefSeq Size:	2631 bp
RefSeq ORF:	1905 bp
Locus ID:	25913
UniProt ID:	<u>Q9NUX5</u>
Cytogenetics:	7q31.33
MW:	71.3 kDa