

Product datasheet for **RC200655A1V**

Human ERK5 (MAPK7) (NM_139032) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ERK5 (MAPK7) (NM_139032) AAV Particle
Tag:	Myc-DDK
Symbol:	MAPK7
Synonyms:	BMK1; ERK4; ERK5; PRKM7
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC200655 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAAGCGACCTGCACCAGATCATCCACTCCTCACAGCCCCTCACACTGGAACACGTGCGCTACTTCC
TGTACCAACTGCTGCGGGGCTGAAGTACATGCACTCGGCTCAGGTCATCCACCGTGACCTGAAGCCCTC
CAACCTATTGGTGAATGAGAAGTGTGAGCTCAAGATTGGTGACTTTGGTATGGCTCGTGGCCTGTGCACC
TCGCCCCGTGAACATCAGTACTTCATGACTGAGTATGTGGCCACGCGCTGGTACCGTGCGCCCGAGCTCA
TGCTCTCTTTGCATGAGTATACACAGGCTATTGACCTCTGGTCTGTGGGCTGCATCTTTGGTGAGATGCT
GGCCCCGGCGCCAGCTCTTCCAGGCAAAAATATGTACACCAGCTACAGCTCATCATGATGGTGTGGGT
ACCCCATCACCAGCCGTGATTGAGGCTGTGGGGCTGAGAGGGTGGGGCCTATATCCAGAGCTTGCCAC
CAGCCAGCCTGTGCCCTGGGAGACAGTGTACCCAGGTGCCAGCCAGGCCCTATCACTGCTGGGTGCG
CATGCTGCGTTTTGAGCCAGCGCTCGCATCTCAGCAGCTGCTGCCCTTCGCCACCCCTTCTGCGCAAG
TACCATGATCCTGATGATGAGCCTGACTGTGCCCGGCCCTTTGACTTTGCCTTTGACCGGAAGCCCTCA
CTCGGGAGCGCATTAAAGGAGGCCATTGTGGCTGAAATTGAGGACTTCCATGCAAGGCGTGAGGGCATCCG
CCAACAGATCCGCTTCCAGCCTTCTCTACAGCCTGTGGCTAGTGAGCCTGGCTGTCCAGATGTTGAAATG
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GCCCTGCACCTGACACCATTGATCTGACCCTGCAGCCACCTCCACCAGTCAGTGAGCCTGCCCAACAAA
GAAAGATGGTGCCATCTCAGACAATACTAAGGCTGCCCTTAAAGCTGCCCTGCTCAAGCTTTGAGGAGC
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GCCAGCGGGAGCGGGAGGAGAAGCGGCGGAGGCGCAAGAACGAGCCAAGGAGCGGGAGAAACGGCGGCA
GGAGCGGAGCGAAAGGAACGGGGGGCTGGGGCCTCTGGGGGCCCTCCACTGACCCCTTGCTGGACTA
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CAGCCTGCCTGCCACCCCTGGCCCTGCACCCACCCCACTGGCCCTCCTGGGCCATCCCTGTCCCGG
CGCCACCCAGATTGCCACCTCCACCAGCCTCCTGGCTGCCAGTCACCTGTGCCACCCCTGGGCTGCC
TGGCTCCAGCACCCAGGAGTTTGCCTTACTTCCACCTGGCCTGCCGCCCCAGACGCCGGGGAGCC
CCTCAGTCTTCATGTGACAGTACCTGATGTCAACCTTGTGACCCAGCAGCTATCTAAGTCACAGGTGG
AGGACCCCTGCCCCCTGTGTTCTCAGGCACACCAAGGGCAGTGGGGCTGGCTACGGTGTGGCTTTGA
CCTGGAGGAATTCTTAACAGTCTTTGACATGGGCGTGGCTGATGGGCCACAGGATGGCCAGGAGAT
TCAGCCTCTCTCTCAGCCTCCCTGCTTGTGCTGACTGGCTCGAAGGCCATGGCATGAACCTGCCGATATTG
AGTCCCTGCAGCGTGAGATCCAGATGGACTCCCAATGCTGCTGGCTGACCTGCCTGACCTCCAGGACCC
C

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC200655 protein sequence Red=Cloning site Green=Tags(s) MESDLHQIIHSSQPLTLEHVRYFLYQLLRGLKYMMSAQVIHRDLKPSNLLVNENCLKIGDFGMARGLCT SPAEHQYFMTEYVATRWYRAPELMLSLHEYTQAIDLWSVGCIFGEMLARRQLFPGKNYVHQLQLIMMVLG TPSPAVIQAVGAERVYAIQSLPPRQVPWETVYPGADRQALSLGRMLRFEPSARISAAAAALRHPFLAK YHDPDDEPDCAFPDFAFDREALTRERIKEAIVAEIEDFHARREGIRQQIRFQPSLQPVASEPGCPDVEM PSPWAPSGDCAMESPPPAAPPCPGAPDTIDLTLPQPPPVSEPAPPKDGAISDNKAALKAAALLKSLRS RLRDGSPSAPLEAPEPRKPVTAQERQREERERKRRRRQERAKEREKRRQERERKERGAGASGPGSTDPAGL VLSNDRSLLEWRMARPAAPALTSVPAPAPAPTPTPTPVQPTSPPPGPVAQPTGPQPQSAGSTSGPVP QPACPPPGPAPHPTGPPGPIPVAPPQIATSTSLAAQSLVPPPGLPGSSTPGVLPYFPPGLPPPDAGGA PQSSMSSEPDVNLVTQQLSKSQVEDPLPPVFSGTPKSGAGYGVGFDLEEF LNQSFDMGVADGPQDQDAD SASLSASLLADWLEGHGMNPADIESLQREIQMDSMMLLADLPDLQDP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_139032
ORF Size:	2031 bp
Buffer:	PBS with 0.001% Pluronic F5093
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_139032.1</u>
RefSeq Size:	2780 bp
RefSeq ORF:	2034 bp
Locus ID:	5598
UniProt ID:	<u>Q13164</u>
Cytogenetics:	17p11.2
MW:	73.2 kDa