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Product datasheet for RC203506A1V

Human ERK5 (MAPK7) (NM_002749) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ERK5 (MAPK7) (NM_002749) 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:

>RC203506 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGAGCCTCTGAAGGAGGAAGACGGCGAGGACGGCTCTGCGGAGCCCCCCGGGCCCGTGAAGGCCG
AACCCGCCCACACCGCTGCCTCTGTAGCGGCCAAGAACCTGGCCCTGCTTAAAGCCCGCTCCTTCGATGT
GACCTTTGACGTGGGCGACGAGTACGAGATCATCGAGACCATAGGCAACGGGGCCTATGGAGTGGTGTCC
TCCGCCCGCCGCCGCCTCACCGGCCAGCAGGTGGCCATCAAGAAGATCCCTAATGCTTTCGATGTGGTGA
CCAATGCCAAGCGGACCCTCAGGGAGCTGAAGATCCTCAAGCACTTTAAACACGACAACATCATCGCCAT
CAAGGACATCCTGAGGCCCACCGTGCCCTATGGCGAATTCAAATCTGTCTACGTGGTCCTGGACCTGATG
GAAAGCGACCTGCACCAGATCATCCACTCCTCACAGCCCCTCACACTGGAACACGTGCGCTACTTCCTGT
ACCAACTGCTGCGGGGCCTGAAGTACATGCACTCGGCTCAGGTCATCCACCGTGACCTGAAGCCCTCCAA
CCTATTGGTGAATGAGAACTGTGAGCTCAAGATTGGTGACTTTGGTATGGCTCGTGGCCTGTGCACCTCG
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TCTCTTTGCATGAGTATACACAGGCTATTGACCTCTGGTCTGTGGGCTGCATCTTTGGTGAGATGCTGGC
CCGGCGCCAGCTCTTCCCAGGCAAAAACTATGTACACCAGCTACAGCTCATCATGATGGTGCTGGGTACC
CCATCACCAGCCGTGATTCAGGCTGTGGGGGCTGAGAGGGTGCGGGCCTATATCCAGAGCTTGCCACCAC
GCCAGCCTGTGCCCTGGGAGACAGTGTACCCAGGTGCCGACCGCCAGGCCCTATCACTGCTGGGTCGCAT
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CATGATCCTGATGATGAGCCTGACTGTGCCCCGCCCTTTGACTTTGCCTTTGACCGCGAAGCCCTCACTC
GGGAGCGCATTAAGGAGGCCATTGTGGCTGAAATTGAGGACTTCCATGCAAGGCGTGAGGGCATCCGCCA
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AGCGGGAGCGGGAGGAGAAGCGGCGGAGGCGGCAAGAACGAGCCAAGGAGCGGGAGAAACGGCGGCAGGA
GCGGGAGCGAAAGGAACGGGGGGCTGGGGCCTCTGGGGGCCCCTCCACTGACCCCTTGGCTGGACTAGTG
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CCTCTGTGCCGGCCCCTGCCCCAGCGCCAACGCCAACCCCAACCCCAGTCCAACCTACCAGTCCTCCTCC
TGGCCCTGTAGCCCAGCCCACTGGCCCGCAACCACAATCTGCGGGCTCTACCTCTGGCCCTGTACCCCAG
CCTGCCTGCCCACCCCCTGGCCCTGCACCCCACCCCACTGGCCCTCCTGGGCCCATCCCTGTCCCCGCGC
CACCCCAGATTGCCACCTCCACCAGCCTCCTGGCTGCCCAGTCACTTGTGCCACCCCCTGGGCTGCCTGG
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CAGTCTTCCATGTCAGAGTCACCTGATGTCAACCTTGTGACCCAGCAGCTATCTAAGTCACAGGTGGAGG
ACCCCCTGCCCCCTGTGTTCTCAGGCACACCAAAGGGCAGTGGGGCTGGCTACGGTGTTGGCTTTGACCT
GGAGGAATTCTTAAACCAGTCTTTCGACATGGGCGTGGCTGATGGGCCACAGGATGGCCAGGCAGATTCA
GCCTCTCTCTCAGCCTCCCTGCTTGCTGACTGGCTCGAAGGCCATGGCATGAACCCTGCCGATATTGAGT
CCCTGCAGCGTGAGATCCAGATGGACTCCCCAATGCTGCTGGCTGACCTGCCTGACCTCCAGGACCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC203506 protein sequence
Red=Cloning site Green=Tags(s)

MAEPLKEEDGEDGSAEPPGPVKAEPAHTAASVAAKNLALLKARSFDVTFDVGDEYEIIETIGNGAYGVVS
SARRRLTGQQVAIKKIPNAFDVVTNAKRTLRELKILKHFKHDNIIAIKDILRPTVPYGEFKSVYVVLDLM
ESDLHQIIHSSQPLTLEHVRYFLYQLLRGLKYMHSAQVIHRDLKPSNLLVNENCELKIGDFGMARGLCTS
PAEHQYFMTEYVATRWYRAPELMLSLHEYTQAIDLWSVGCIFGEMLARRQLFPGKNYVHQLQLIMMVLGT
PSPAVIQAVGAERVRAYIQSLPPRQPVPWETVYPGADRQALSLLGRMLRFEPSARISAAAALRHPFLAKY
HDPDDEPDCAPPFDFAFDREALTRERIKEAIVAEIEDFHARREGIRQQIRFQPSLQPVASEPGCPDVEMP
SPWAPSGDCAMESPPPAPPPCPGPAPDTIDLTLQPPPPVSEPAPPKKDGAISDNTKAALKAALLKSLRSR
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LSDNDRSLLERWTRMARPAAPALTSVPAPAPAPTPTPTPVQPTSPPPGPVAQPTGPQPQSAGSTSGPVPQ
PACPPPGPAPHPTGPPGPIPVPAPPQIATSTSLLAAQSLVPPPGLPGSSTPGVLPYFPPGLPPPDAGGAP
QSSMSESPDVNLVTQQLSKSQVEDPLPPVFSGTPKGSGAGYGVGFDLEEFLNQSFDMGVADGPQDGQADS
ASLSASLLADWLEGHGMNPADIESLQREIQMDSPMLLADLPDLQDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species: Human

Serotype: AAV-2

ACCN: NM_002749

ORF Size: 2448 bp

Buffer: PBS with 0.001% Pluronic F5438

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: NM_002749.2

RefSeq Size: 2972 bp

RefSeq ORF: 2451 bp

Locus ID: 5598

UniProt ID: Q13164

Cytogenetics: 17p11.2

MW: 88.4 kDa