

Product datasheet for **RC207414A1V**

Human MAPK4 (NM_002747) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human MAPK4 (NM_002747) AAV Particle
Tag:	Myc-DDK
Symbol:	MAPK4
Synonyms:	ERK-4; ERK4; p63-MAPK; p63MAPK; PRKM4
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC207414 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**

ATGGCTGAGAAGGGTGACTGCATCGCCAGTGCTCTATGGGTATGACCTCGGTGGCGCCTTTGTTGACTTCC
AACCCCTGGGCTTCGGTGTCAATGGTTTGGTGCTGTCGGCCATGGACAGCCGGGCTGCCGGAAGGTGCG
TGTGAAGAAGATTGCCCTGAGCGATGCCCGCAGCATGAAGCAGCGCTCCGAGAGATCAAGATCATTGCG
CGCTGGACCACGACAACATCGTCAAAGTGTACGAGGTGCTCGGTCCCAAGGGGCACTGACCTGCAGGGTG
AGCTGTTCAAGTTCAGCGTGGCGTACATCGTCCAGGAGTACATGGAGACCACCTGGCACGCCCTGCTGG
GCAGGGCACGCTGGCAGAAGAGCATGCCAAGCTGTTTATGTACCAGCTGCTCCGCGGGCTCAAGTACATC
CACTCCGCCAACGTGCTGCACAGGGACCTGAAGCCCGCCAACATCTTATCAGCACAGAGGACCTCGTGC
TCAAGATTGGGGATTTCCGGTTGGCAAGGATCGTTGATCAGCATTACTCCCACAAGGGTTATCTGTCAGA
AGGGTTGGTAACAAAGTGGTACCGTTCCCCACGACTGCTCCTTTCCCCCAATAACTACACCAAAGCCATC
GACATGTGGGCGCGGCTGCATCCTGTCTGAGATGCTTACGGGAGAAGTCTCTTTGCTGGGCGCCATG
AGCTGGAGCAGATGCAACTCATCTCTGGAGACCATCCTGTGAATCCGGGAGGAAGACAAAGGACAGCTGCT
CAGGGTGATGCCTTCTTTGTCAGCAGCACCTGGGAGGTGAAGAGGCCTCTGCGCAAGCTGCTCCCTGAA
GTGAACAGTGAAGCCATCGACTTTCTGGAGAAGATCCTGACCTTTAACCCCATGGATCGCTAACACGTG
AGATGGGGCTGCAACACCCCTACATGAGCCATACTCGTGCCCTGAGGACGAGCCACCTCACAACACCC
CTTCCGATTGAGGATGAGATCGACGACATCGTGCTGATGGCCGCTAACGAGACCCAGCTGTCCAAGTGG
GACACGTGCAGTTCAGGTACCCTGTGAGCCTGTCGTGGACCTGGAGTGGCGGCCTGACCGGTGCCAGG
ACGCCAGCGAGGTACAGCGCGACCCGCGCGGGTTTCGGCGCCACTGGCTGAGGACGTGCAGGTGGACCC
GCGCAAGGACTCGCACAGCAGCTCCGAGCGCTTCTAGAGCAGTCGCACTCGTCCATGGAGCGCGCCTTC
GAGGCCGACTACGGGCGCTCCTGCGACTACAAGTGGGGTTCGCCGTCTACCTGGACAAGCTGCTGTGGC
GCGACAACAAGCCGACCACTACTCGGAGCCCAAGCTCATCCTGGACCTGTGCACTGGAAGCAGGCGGC
CGGCGCGCCCCCACGGCCACGGGGCTGGCGGACACGGGGGCGCGGAGGACGAGCCGGCCAGCCTCTTC
CTGGAGATCGCGCAGTGGGTCAAGAGCACGCAGGGCGGCCAGAGCACGCCAGCCCGCCGCCGACGACC
CCGAGCGCCGCTTGTCTGCCTCGCCCCCGGCCGCCCGGCCGGTGGACGGCGGCCAGCCCCAGTT
CGACTGGACGTGTTTATCTCCGCGCCCTGAAGCTCTGCACCAAGCCCAGGACCTGCCGGAATAAA
CTGGGCGCACTCAATGGTGGTGATCCCCGAGCACCTGGCGACCTCGTGCAAGCCGAGGCTTCTCCA
AAGAAAGGTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207414 protein sequence

Red=Cloning site Green=Tags(s)

MAEKGDCIASVYGYDLGGRFVDFQPLFGVNGVLVLSAMDSRACRKVAVKKIALSDARSMKHALREIKIIR
RLDHDNIIVKYVEVLGPKGTDLQGELFKFSVAYIVQEYMETDLARLLEQGTAAEEHAKLFMYQLRLGLKY
HSANVLHRDLKPANIFISTEDLVLKIGDGLARIVDQHYSHKGYLSEGLVTKWYRSPRLLSPNNYTKAI
DMWAAGCILSEMLTGRMLFAGAHELEQMLILETIPVIREEDKDELLRVMPFSVSTWEVKRPLRKLPE
VNSEAI DFLEKILTFNPM DRLTAEMGLQHPYMSPYSCPEDEPTSQHPFRIEDEIDDIVLMAANQSQLSNW
DTCSSRYPVSLSSDLEWRPDRCDASEVQRDPGRASPLAEDVQVDPKRDSSHSSSERFLEQSHSSMERAF
EADYGRSCDYKVGSPSYLDKLLWRDNKPHHYSEPKLILDLSHWKQAAGAPPTATGLADTGAREDEPASLF
LEIAQWVKSTQGGPEHASPPADDPERRLSASPPGRPAVDGGASQPFDLDFISRALKLCTKPEDLPDNK
LGD L N G A C I P E H P G D L V O T E A F S K E R W

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_002747
ORF Size:	1761 bp
Buffer:	PBS with 0.001% Pluronic F6058
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_002747.3, NP_002738.2</u>
RefSeq Size:	4736 bp
RefSeq ORF:	1764 bp
Locus ID:	5596
UniProt ID:	<u>P31152</u>
Cytogenetics:	18q21.1-q21.2
MW:	66 kDa