

MAPKAPK3 cDNA

Catalog Number: ATGD0311

PRODUCT INFORMATION

Catalog number

ATGD0311

Product type

cDNA

Species

Human

NCBI Accession No.

NP_004626.1

Alternative Names

3PK, MAPKAP-K3, MAPKAP3, MAPKAPK-3, MK-3

mRNA Refseq

NM_004635.4

OMIM

602130

Chromosome location

3p21.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1149bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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MAPKAPK3 encodes a member of the Ser/Thr protein kinase family. MAPKAPK3 functions as a mitogen-activated protein kinase (MAP kinase) - activated protein kinase. MAP kinases are also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. Alternate splicing results in multiple transcript variants that encode the same protein.

DATA

Sequence nucleotides

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ATGGATGGTGAACAGCAGAGGAGCAGGGGGCCCTGTGCCCCCGCCAGTTGCACCCGGCGGACCCGGCTTGGGCGGTG
CTCCGGGGGGGGCGGCGGGAGCCCAAGAAGTACGCAGTGACCGACGACTACCAAGTTGTCCAAGCAGGTGCTGGGCCTGGG
TGTGAACGGCAAAGTGCTGGAGTGCTTCCATCGGCGCACTGGACAGAAAGTGTGCCCTGAAGTCCTGTATGACAGCCCCAA
GGCCCGGCAGGAGGTAGACCATCACTGGCAGGCTTCTGGCGGCCCCCATATTGTCTGCATCCTGGATGTGTATGAGAACAT
GCACCATGGCAAGCGCTGTCTCCTCATCATCATGGAATGCATGGAAGGTGGTGAAGTTGTTTCAGCAGGATTTCAGGAGCGTGG
CGACCAGGCTTTCACTGAGAGAGAAGCTGCAGAGATAATGCGGGATATTGGCACTGCCATCCAGTTTCTGCACAGCCATAA
CATTGCCACCCGAGATGTCAAGCCTGAAAACCTACTCTACACATCTAAGGAGAAAAGACGCAGTGCTTAAGCTCACCGATTTT
GGCTTTGCTAAGGAGACCACCCAAAATGCCCTGCAGACACCCTGCTATACTCCCTATTATGTGGCCCCTGAGGTCCTGGGTG
CAGAGAAGTATGACAAGTCATGTGACATGTGGTCCCTGGGTGTCATCATGTACATCCTCCTTTGTGGCTTCCCACCCTTCTA
CTCCAACACGGGCCAGGCCATCTCCCCGGGGATGAAGAGGAGGATTGCCTGGGCCAGTACGGCTTCCCCAATCCTGAGT
GGTCAGAAGTCTCTGAGGATGCCAAGCAGCTGATCCGCCTCCTGTTGAAGACAGACCCACAGAGAGGCTGACCATCACTC
AGTTCATGAACCACCCTGGATCAACCAATCGATGGTAGTGCCACAGACCCCACTCCACACGGCCCCGAGTGCTGCAGGAGG
ACAAAGACCACTGGGACGAAGTCAAGGAGGAGATGACCAGTGCCCTGGCCACTATGCGGGTAGACTACGACCAGGTGAAG
ATCAAGGACCTGAAGACCTCTAACAACCGGCTCCTCAACAAGAGGAGAAAAAAGCAGGCAGGCAGCTCCTCTGCCTCACAG
GGCTGCAACAACCAGTAG
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Transaction Sequence

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MDGETAEEQG GPVPPPVPAG GPGLGGAPGG RREPKEYAVT DDYQLSKQVL GLGVNGKVLKCFHRRRTGQKC ALKLLYDSPK
ARQEVDDHHWQ ASGGPHIVCI LDVYENMHHG KRCLLIIMECMEGGELFSRI QERGDQAFTE REAAEIMRDI GTAIQFLHSH
NIAHRDVKPE NLLYTSKEKDAVLKLTDFGF AKETTQNALQ TPCYTPYYVA PEVLGPEKYD KSCDMWSLGV
IMYILLCGFPFYSNTGQAI SPGMKRRIRL GQYGFNPPEW SEVSEDAKQL IRLLLKTDPT ERLTITQFMNHPWINQSMVV
PQTPHHTARV LQEDKDHWE VKEEMTSALA TMRVDYDQVK IKDLKTSNNRLLNKRRKKQA GSSASQGCN NQ
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