

# MAPKAPK3 cDNA

Catalog Number: ATGD0311

## PRODUCT INFORMATION

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**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

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**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**

# MAPKAPK3 cDNA

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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

```
ATGGATGGTGAACAGCAGAGGAGCAGGGGGGCCCTGTGCCCCCGCCAGTTGCACCCGGCGGACCCGGCTTGGGCGGTG
CTCCGGGGGGGGCGGCGGGAGCCCAAGAAGTACGCAGTGACCGACGACTACCAAGTTGTCCAAGCAGGTGCTGGGCCTGGG
TGTGAACGGCAAAGTGCTGGAGTGCTTCCATCGGCGCACTGGACAGAAAGTGTGCCCTGAAGTCCTGTATGACAGCCCCAA
GGCCCGGCAGGAGGTAGACCATCACTGGCAGGCTTCTGGCGGCCCCCATATTGTCTGCATCCTGGATGTGTATGAGAACAT
GCACCATGGCAAGCGCTGTCTCCTCATCATCATGGAATGCATGGAAGGTGGTGTAGTTGTTTCAGCAGGATTTCAGGAGCGTGG
CGACCAGGCTTTCACTGAGAGAGAAGCTGCAGAGATAATGCGGGATATTGGCACTGCCATCCAGTTTCTGCACAGCCATAA
CATTGCCACCGAGATGTCAAGCCTGAAAACCTACTCTACACATCTAAGGAGAAAAGACGCAGTGCTTAAGCTCACCGATTTT
GGCTTTGCTAAGGAGACCACCCAAAATGCCCTGCAGACACCCTGCTATACTCCCTATTATGTGGCCCCTGAGGTCCTGGGTG
CAGAGAAGTATGACAAGTCATGTGACATGTGGTCCCTGGGTGTCATCATGTACATCCTCCTTTGTGGCTTCCCACCCTTCTA
CTCCAACACGGGCCAGGCCATCTCCCCGGGGATGAAGAGGAGGATTGCCTGGGCCAGTACGGCTTCCCCAATCCTGAGT
GGTCAGAAGTCTCTGAGGATGCCAAGCAGCTGATCCGCCTCCTGTTGAAGACAGACCCACAGAGAGGCTGACCATCACTC
AGTTCATGAACCACCCTGGATCAACCAATCGATGGTAGTGCCACAGACCCCACTCCACACGGCCCCGAGTGCTGCAGGAGG
ACAAAGACCACTGGGACGAAGTCAAGGAGGAGATGACCAGTGCCTTGGCCACTATGCGGGTAGACTACGACCAGGTGAAG
ATCAAGGACCTGAAGACCTCTAACAACCGGCTCCTCAACAAGAGGAGAAAAAAGCAGGCAGGCAGCTCCTCTGCCTCACAG
GGCTGCAACAACCAGTAG
```

### Transaction Sequence

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