

Product datasheet for **SC213446**

MAPKAP Kinase 3 (MAPKAPK3) (NM_004635) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MAPKAP Kinase 3 (MAPKAPK3) (NM_004635) Human 3' UTR Clone
Symbol:	MAPKAP Kinase 3
Synonyms:	3PK; MAPKAP-K3; MAPKAP3; MAPKAPK-3; MDPT3; MK-3; MK3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004635
Insert Size:	1275 bp



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Insert Sequence: >SC213446 3'UTR clone of NM_004635
 The sequence shown below is from the reference sequence of NM_004635. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCTGCCTCACAGGCTGCAACAACCAGTAGCTCATGGGGCCTTGGAGGAGCTGGCCTCTCAGCCTGCA
TAACAGACTGAAATGTGCTCAGGCCCTGGCCAGGAGGGCCAGGGTCATTCTTTTAAACAAAAGGATTAT
TTTGTGTGTTTTAATTTGCTCACTCGGAACTTCAGGATGGAGGACCCTGACCCTAAACCTCCTTCAGAT
CTCTGGCCAGGCTCAAGCCCTAGAGATGGGCAGGGCCTAGGGGCTGGGAGCTGCCTGCTGCCATAGCA
GCACCTTTAGCTAGGTTGGCCCGAGTGAGGCTCTGTGCTGTCTGCCCTGGTGCATGGCCTTAGCTTT
CTAGGCCACTGGGAGTTGGCTGGGCTTCCCATTCCACAGAGACATCTCCCTGTGGGATGGGCAGA
TGGCCTGGCCTTGAGAAAGCATTGGCCATTGGTTGCCATGGTGACCAGGGACCACGTTGCTGCCTGT
GAATGCTGAGTGAGCGAGTAAGGGAGGAGGGCGATTGAGGGTTACCTCTGCCTTGGGGAGGCTGATT
TCTCACACTGGCTGGCCCTCTATTCTCACTCCTCTTGGGCCCTGAGGCTGCTGGATCCGGTCTGC
CTGCCTCCCTGTGCAGTCCAGCCCTGCCTTGTGCAGCCCCAGCCAGATGGCACTCAGCGCTCTCCCC
TGAGGGAGTCCCTGGGCCTAGCCATCCCCTCACTATTCCCGACCCAAAGGGTGACTTTTCATCTGAAC
TAAGGTGGGAGATATTTTAACTTTTTTCCACTTTGGAAAATGTCACTGTGACAAAAGCCAGCACTT
TCCCTGCACCCATCTGCTCACCAGATCTCAGGCAGGAAAGCCCTCTCTGTTGAAGTCAGGGGCTATCT
TTTGGTAACTTGTGTGAAAGTGGCTGGTTGGGAGCAGAGCTAAGTGGCTTCCCATTAACTGAGGTCT
CTTTCTTACTCTGGGTGAGACTGAGGTTGGGAAGGCGACTGAGCCATGCTCAGAATGTCTGGTCCT
GGCTTGGGCCTGAGTAGGGCAGAGAGGGCCTTTCCTGGCTGATCAGAGCTTACCAGCCCCACCCACCA
TGGTAGCCTTAGGGTGTGAGTGCCTGATACTGCCTGACAAGTGCCTGACACGCAGCCTAGTTCCTTCC
TGGCCCTCTCTCACTGGCTGGGAAACCCTAGACCATGTGAGATAGGACAACACTGCTGGGTTTTACAT
CCAGATAGTAATAAACACCATTTCATCATTTTC
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_004635.5](#)

Summary:

This gene encodes a member of the Ser/Thr protein kinase family. This kinase 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. This kinase was shown to be activated by growth inducers and stress stimulation of cells. In vitro studies demonstrated that ERK, p38 MAP kinase and Jun N-terminal kinase were all able to phosphorylate and activate this kinase, which suggested the role of this kinase as an integrative element of signaling in both mitogen and stress responses. This kinase was reported to interact with, phosphorylate and repress the activity of E47, which is a basic helix-loop-helix transcription factor known to be involved in the regulation of tissue-specific gene expression and cell differentiation. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2011]

Locus ID:

7867

MW:

46.8