OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC203958

MEK2 (MAP2K2) (NM_030662) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MEK2 (MAP2K2) (NM_030662) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MAP2K2
Synonyms:	CFC4; MAPKK2; MEK2; MKK2; PRKMK2
ACCN:	NM_030662
Insert Size:	307 bp
Insert Sequence:	>SC203958 3'UTR clone of NM_030662 The sequence shown below is from the reference sequence of NM_030662. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCCGGCACACCCACGCGCACCGCCGTGTGACAGTGGCCGGGCTCCCTGCGTCCCGCTGGTGACCTGCCC ACCGTCCCTGTCCATGCCCCGCCCTTCCAGCTGAGGACAGGCTGGCGCCTCCACCCACCCTCCTGCCTC ACCCCTGCGGAGAGCACCGTGGCGGGGCGACAGCGCATGCAGGAACGGGGGTCTCCTCTCCTGCCCGTC CTGGCCGGGGTGCCTCTGGGGACGGGCGACGCTGCTGTGTGTGGTCTCAGAGGCTCTGCTTCCTTAGGT TACAAAACAAAACAGGGAGAGAAAAAGCAAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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_030662.4

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Summary: The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutations in this gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, cognitive disability, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax. A pseudogene, which is located on chromosome 7, has been identified for this gene. [provided by RefSeq, Jul 2008]

Locus ID: 5605

MW: 10.7