

Product datasheet for **MR231403**

Map3k10 (NM_001290528) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map3k10 (NM_001290528) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Map3k10
Synonyms:	BC028668; BC046514; Mlk2; MST
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR231403 representing NM_001290528
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGAGGAGGGGGCGGCCAGAGAGTGGGGCGGACCCCGGGGCCAGTGTGGACCGCC
 TGTTGACTACGAGGCGGTGGGCGACGAGGAGCTGACCCTGCGGAGAGGGACCGCGTCCAGGTGCTTTC
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231403 representing NM_001290528
 Red=Cloning site Green=Tags(s)

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MEEEEGAAAREWGATPAGPVWTVAFDYEAVGDEELTLRRGDRVQVLSQDCAVSGDEGWWTGQLPSGRVGV
FPSNYVAPAAPASDLQLPQEIFHELQLEEIIGVGGFGKVYRAVWRGEEVAVKAARLDPERDPAVTAE
QVRQEARLFGALQHPNIIALRGACLSPNCLVMEYARGGALSRVLAGRRVPPHVLVNWAVQARGMNYL
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TLDKRKGS DGASPPASPIIPRLRAIRLTPMDCGSSGSGTWSRSGPPKKEELVGGKKKGRTWGPSSTLQ
KERAGGEERL KALGEGSKQWSSAPNLGKSPKHTPMAPGFASLNEMEEFAEADGNNVPPSPYSTPSYLK
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FPRLPDPQALFPTRRRPLEFPGRPTTLTFAPRPRPAASRPRLDPWKLV SFGRTLSISPPSRPDTPESPGP
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

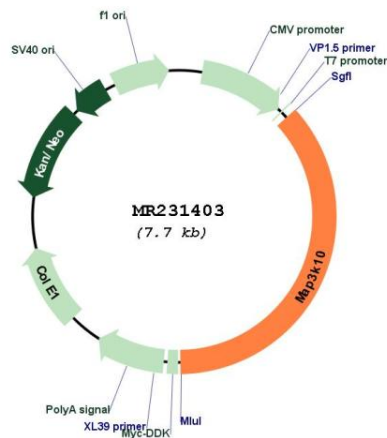
Cloning Scheme:



ACCN: NM_001290528

ORF Size: 2820 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001290528.1, NP_001277457.1</u>
RefSeq Size:	3693 bp
RefSeq ORF:	2823 bp
Locus ID:	269881
UniProt ID:	<u>Q66L42</u>
Cytogenetics:	7 A3
MW:	103.6 kDa
Gene Summary:	Activates the JUN N-terminal pathway.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR231403