

Product datasheet for **MR215422**

M1ap (NM_033079) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	M1ap (NM_033079) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	M1ap
Synonyms:	D6Mm5e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215422 representing NM_033079
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACCGAAGGAAAACACTAGTAGAGGGACCTCCGCTGCCATGAAAATTAGTCATCAACCTCCGAGGC
 TTCTCATTGTGAATATTGCCGTACCTTCTGGGTTGACATCTGCCCAACCTCTGTGAGGCCTTGACAGAA
 CTTCTTCTCGATAGCCTGCAGTTTGTGAGGGCCCGAGCGGATGTCTCTGTTTCAGCTTATACACAGTACAG
 AACCGAGCATGAGTGTCTCCCATTTGTGCAAGTGAGAGGGAACCTCATTAGGCTGCAGGCCTGCATCT
 CGGAGCTTCGAATGTTACAGGTAGAAGTTGTACAGACCACCTCACGCCTTACTACCCCTGGCAATAGA
 AGATGGGCTCCAGCAGTCAAACAGTACAGCAGTACATGGCCTCAAGTGTCTCAGCCCTGGACTTCC
 CTGGAGATTACTGCTGACTTCTCGGCCTGGAAAAGAAGTGGTCAAAGAAGTGGAGGAAGGGTTGAAAG
 ATATAAACCTACTTAGTGTGAGAAGACTGCAGGTGGCTGAGGTACAAAAGGCATCCAGGAGCGTTCAGA
 CTCACCATCTCCTACTGAAGAACCAGCAATGATGAGAGTTCTATCCTGGAAGCTGACATTGTCCTTGAG
 ACGCTAGACAACGATGTTGTGAGCATGGAGGTCTTCTTCAAAGCCTGGCTGCATAACAGTAAAAGTACC
 AAGAAAACATCCACCTTCTTCTTACTCCACAGAGTCTTCTCCTCCTTCCAGAGCCAAGGATCATCCAAT
 ATGTCTAAAATGTGATCTCCAAGAGCGATTTCTCAGCCATCCCTGCTTCTCCTGGTACAGCTGATGGCGTG
 TCGAGAATAGATGACCCCAAAGGAGACATCAGCACACTTACCAGATGGCATCCCTGGCTTCAGCCTCTC
 CGTATAAGCTTCAAGTGGTCAAGGCTCTGAAATCTAGTGGGATCTGCGAGTCCCTGACCTATGGACTACC
 CTTTCTCAGACCCACAAGCTGTTGGCAGCTGGACTGGGATGAGCTGGAAACAATCAACAACATTTT
 CATGCCCTGTGCTACTGCTTGTGAAGAGAGACTGGCTGCTGTTGGCCAGAGGGGAACCCCTGATCCACA
 AACACAACCAGAGTCTCCCTGCCTGCAGCTTCTATGTGATCACACCTTCTCACTCTCACACTGCTGGT
 GAAGCTGGTGGCCACCAGGGAGTTGATGCTGCCTGGCTTCTTCCCCTGCTCTCTGAGGACCCACCTGAA
 GACAGCCTAAAGATCATAGAGAGCACCTAGACAGCCTGGACCTGGGGCTCACCTACAACCTCTGCATG
 TTGGGAGCCACTTGTACTCACATCTGAGCAGCGCCATGCCAAGCCTCAGGGACGGCTCTACACAAGCTG
 CGCAAGCCGGGGCCTTAGAAAGGGGGTCACTGCAGACCAACAGAGTTCGAGCCGAGTGGTTCCCTC
 CCAGTGGCTCCTGCCACGTAGAGCTTGAAGATGACAGCAGCCAGCAAAGCATCTCAGCAGCCTTCC
 TGCCTTCGGATTCGGAGGAGGAGAGGAGGAGCGTCTTCTCACACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215422 representing NM_033079
 Red=Cloning site Green=Tags(s)

MNRRKTTSRGTSAMKISHQPPRLLIVNIAVPSWVDICPNLCEALQNFFSIACSLMGPSRMSLFLSLYTVQ
 NQHECVLPFVQVRGNFIRLQACISELRMLQVEGCHRPPHALLPLAIEDGLQFKQYSSHMASAAQPWTS
 LEITVLTSRPGKEVVKELLEEGLKIDINLLSVRRLQVAEVTKGIQERSDSPSPTEEPSNDESSILEADIVLE
 TLDNDVVSMEVFFKAWLHNSETDQENIHLLTPQSLPPPSRAKDHPICLKCDLQERFLSPSLLPGTADGV
 SRIDDPKGDISTLYQMASLASASPYKLVVVKALKSSGICESLTYGLPFILRPTSCWQLDWDLELTNQHF
 HALCHCLLKRDWLLARGEPLIHKHNQSLPACSFYVITPSHSLTLLVKLVATREMLPGFFPLLEDPE
 DSLKIIESTLDSLGLTYNPLHVGSHLYSHLSSAHAKPQGRLYTSCASRGLRKGGLQTNRVRAAVVPL
 PVAPAPRRALKMTAASKASSAFLPSDSEEGEERPSHT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9062_h07.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_033079

ORF Size: 1587 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:**
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: [NM_033079.2](#), [NP_149070.2](#)

RefSeq Size: 2051 bp

RefSeq ORF: 1590 bp

Locus ID: 110958

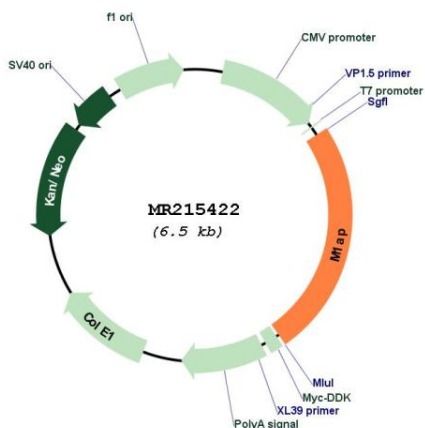
UniProt ID: [Q9Z0E1](#)

Cytogenetics: 6 35.94 cM

MW: 58.6 kDa

Gene Summary: Required for meiosis I progression during spermatogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215422