

Product datasheet for **MR221323**

Morn1 (NM_001081100) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Morn1
Synonyms:	2900057D20Rik; 4930417P05Rik; AU042805
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR221323 representing NM_001081100
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCAGCTGGCGATCCCTACCAGGCTTCGCTCCAGCCGCTCGGCACTCGCCGAGACTGCCGCCGC
GAAACGGCTATGGCGTATATGTATACCAAATTCTTTCTCCGCTATGAAGGAGAATGGAAGGGAGGCAA
GAAACACGGTCATGGGAAGCTATTGTTAAAGATGGAAGTTACTACGAAGGCGAATTTGTGGATGGAGAA
ATTACTGGGAAGGCTGCCAGCACTGGGCTGGTCAGGAAACACCTACTCTGGACAGTTTGTTTTAGGAG
AGCCTCAAGGGCACGGCGTCATGAAGTACAAAGCCGGAGGTCGCTATGAAGGGAGCTCTCCAAGGCCCT
GAGGGAAGGGCAGGGGTTTCTGGAGGATCAGGACGGGCAGGTATACCAGGTTCTTCCATGACAACAAG
AGACATGGCCGTGGGCAGATGATCTTAAAGATGGTGACAAGTACGAAGGTGATTGGGTTGAGACCAGC
GTCAGGGACACGGGGTGTGTCTGTGCCAGGCTCCACATACAAGGGACAGTGGCACAGTGATGTCTT
CAGTGGACTCGGCAGCTTGGTCCACTGCTCAGGAGTCACTACTGTGGGATGTTCAATTAACGGCCACCCA
GCAGAACAGGCTAAGAAAATTGTGATTCTGGGTCCAGAGGTACTGGAAGTGGTCCAAGGGTCTCCCTTCA
CGTTGAGTGTACAGCTGCAGCAAGATGATGGGGAAGTTGCCAAAAGTGAGAGTGGCCGGGTCTGAAGAT
CTCAGCAGGAGTCAGATATGTCAACTCCAGAATACTCTGAGGTCACTTTTCAAGATGGATGAAGAC
TACATGGAGACACCCATCCAGACCCATTGGGTTCCAGTGCATTTCTACCCCTGTCTGTGCCATGT
CCTGGGGGCCAGAGCCTGGGTCTACTGTGGAAGTGCCAGAGCTGACCTGCTACTCTCCAAGAGAGACTC
AGAGCCTGTGCTGGAAGTCAAGGAGCCTTCCATGGCCAGGGAGACACCTCAGCATCCTGCCAGCCAGGAGA
CACAAACCCTGTGTGCAAGTGGACACGGCTGTGCCGAGTTTGTGGACATCCTCCTCGGAGCCCTC
CGCCTGGCATGCAGCCTTACCTGTTCTGCCCGCACGCTGGAGAAGACTCTCGGCAGGCCATAAGGTGG
CCCAAGTTCCTCCAGAGGTGCTGCCCACTGCCAGGAACCTCTAAAAGGCACCAACAGGCCTGATGGGACC
ACAGTAGAGCCACCGACAGCTGCATATCTAGGGGAGTATGTGCTCATGGTCTGTGATGTGACCAGCCCTC
CCTTCTGGGCCACAGGCTGCCACCACTTCAAACACCTGCGGATCTTAGCCAAGGGGGACACCACTG
GCCCCATGTCCCTGAAGATCACCAGAAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR221323 representing NM_001081100
Red=Cloning site Green=Tags(s)

MEAAGDPYQASLQPRRHSPRLPPRNGYGVVYPNSFFRYEGEWKGGKKHGHGKLLFKDGSYYEGEFVDGE
ITGEGCQHWASGNTYSGQFVLGEPQGHGVMKYKAGGRYEGELSQLREGQGFLEDQDQGVYQGSFHDNK
RHGRGQMIFFKNGDKYEGDWVRDQRQGHGVLCCADGSTYKQWHSDFVSLGSLVHCSGVITYCGMFINHHP
AEQAKKIVILGPEVLEVVGSPFTLSVQLQDDGEVAKSESGRVLKISAGVRYVQLPEYSEVSFFKMDED
YMETPIQTPTFGFQCISYPLSVPMSWGPPEGSTVESARADLLLKRDSPEVLDSGAFHQGDTLSILPARR
HKPCCQVVDHGCDEFVDILLGAPPPGMQPYLFLPGTLEKTLGRPKGGSSPEVLPTAQEPLKGTNRPDGT
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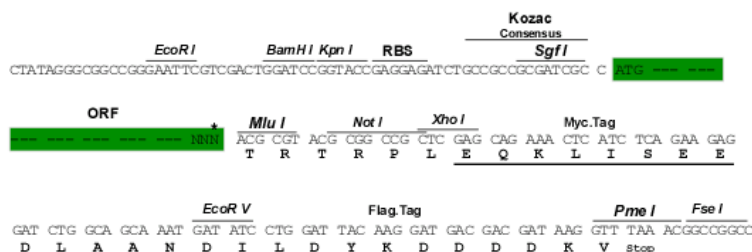
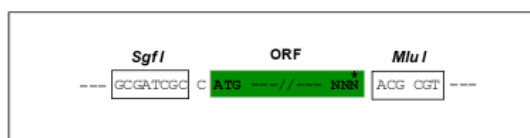
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9062_b10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001081100

ORF Size: 1431 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.

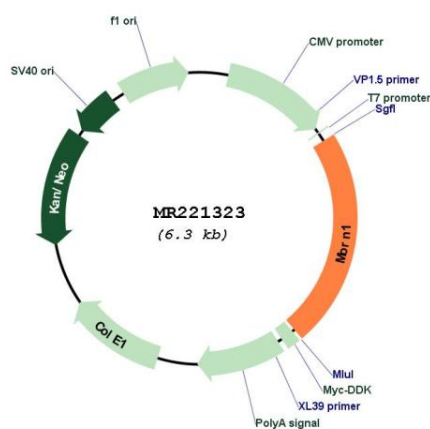
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22µm filter is required.

RefSeq: [NM_001081100.1](#), [NP_001074569.1](#)

RefSeq Size: 1661 bp

RefSeq ORF: 1434 bp
 Locus ID: 76866
 Cytogenetics: 4 E2
 MW: 52.5 kDa

Product images:



Circular map for MR221323