

## Product datasheet for MR211506

### Man2c1 (NM\_028636) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Man2c1 (NM_028636) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Man2c1
Synonyms:	1110025H24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211506 representing NM_028636 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCAGCGCGTTCTTGAAGCACTGGCGCACCACTTTCGAGCGGGTGGAGAAGTTCGTGTCCCCGA  
TCTACTTCACCGACTGTAACCTTCGCGGCAGGCTCTTCGGGGACAGCTGCTCGGTGACACTCTCCAGCTT  
CCTGACGCCCGAGAGGCTTCCCTATGAGAAGCGGTGCAGCAGAAGCTTCAGCCCTGCGCAGGTGGCGAC  
AGCTTCGGACCCACATGGTGGACCTGCTGGTTTCGGGTAGAACTGGTCATCCCTGAAGTTTGGGTGGCC  
AGGAAGTTCATCTTTGCTGGGAAAGCGATGGAGAAAGCCTTGTCTGGCGTGATGGGAACCTGTCCAGGG  
TTTGACCAAAGAAGGCGAAAAGACCAGTTATGTCCTGAGCGAGAGGCTGCGAGCATCAGACCCTCGGAGC  
TTGACTCTCTATGTGGAAGTAGCCTGCAATGGGCTTCTGGGGGCCGGAAGGGAAGCATGATCGCAGCCC  
CTGACCCAGAGAAGATGTTCCAGCTGAGCCAGGCTAAACTGGCTGTGTTCCACCGGGATGTCCACAGTCT  
CCTGGTGGACCTGGAGCTGTTGCTGGGTGTGGCCAAGGGCCTCGGGGAGGACAGCCAGCGCAGCTTCCAG  
GCCCTGCACACAGCCAACCAGATGGTGAACATATGTGACCCTGCTCAGCCTGAGACTTACCCAGCAGCCA  
AAGCCCTGGCCTCCAAGTCTTTGGCCAACATGGAGGTGAAAGCCAGCATACCATCCATGCCATGGGACA  
CTGTACATTGATACAGCCTGGCTTTGGCCCTTCAAGGAGACTGTGAGGAAATGTGCCCGGAGCTGGTCCG  
ACAGCTGTGACGCTCATGGAGCAGAACACAGACTTCATCTTTGCCTGCTCAGGCACAACAACCTTGAAT  
GGGTCAAGAGCCAGTACCCTGGTCTGCATGCCCGGCTCCAGGAGTTTGCCTGCCGAGGACAGTTTGTGCC  
TGTGGGGGGCACCTGGGTAGAAATGGATGGAACTTCCAGTGAGAGGCCATGGTGGAGCAGTTCCTG  
CAGGGCCAGAACTCTTTCTGCAAGAGTTTGGGAAGATGTGCTCTGAGTTCTGGCTGCCAGACAGTTTGG  
GCTACTCAGCACAGCTCCCCAGATCATGCAAGGCTGTGGCATCAAGCGCTTCTGACCCAGAACTGAG  
CTGGAACTTGGTCAACTCCTTTCCACACCATACCTTTTTCTGGGAGGGGCTGGATGGCTCCCGAGTCTG  
GTCCACTTCCACCTGGAGACTCATATGGAATGCAGGGCAGTGTGGAGGAGGTGCTGAAGACTGTGACCA  
ACAACCGGACAAGGGGGGACCAACCACAGTGGCTTCTTTCGGCTTCGGGGATGGGGGAGGTGGCC  
CACACAGACCATGTTGGACCGATTGAAGCGGCTGAGCAACTGATGGGCTGCCAGGGTGCAGTATCT



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TCTCCTGGCCAGCTCTTCACGGCACTGGAGAGAGACTCAGGACAGCTGTGCACATGGGTTGGAGAACTCT  
 TCCTGGAAGTGCACAATGGCACCTACACTACGCATGCCAGCTCAAGAAGGGGAACAGAGAATGTGAGCA  
 GATTCTTCATGACGTGGAGGTGCTCAGCAGCCTGGCCCTAGCCCGAAGTGCCAGTTCCTATACCCGGCA  
 GCCAGCTGCAGCACCTCTGGAGGCTCTGCTCCTCAACCAGTTCATGATGTGGTACTGGAAGCTGCA  
 TTCAGCTGGTGGCAGAAGATGCCATGAAGTACTATGAAGACATCCGTTCTCATGGCAACCCACTGCTCAG  
 TGCTGCAGCCGCAGCCTTGTGTGCCGGGAGCCAGGTCCCAAGGGCCTCCTCATTATCAACACACTGCC  
 TGAAGCGCACTGAAGTGTGGCACTGCCAAGCCTTGTGGGGCTCACAGCCTAGCCCTGGTGACAGTGC  
 CAAGTATTGGCTACGCTCCTGCTCCACCCTACTTCACTGCAGCCCTCCTCCCCAGCAGCCTGTGTT  
 TGTGATGCAGGAGACTGACGTTCTGTGACTTTGGACAACGGCATCATCCGGGTGAGACTGGATCCAAC  
 GGCTGTCTTACCTCCCTGGTCTGGTGGCTTCTGGCAGGGAAGCCATTGCTGAGGGAGCCCTGGGGAAC  
 AGTTTGTGTTGTTTGTGATGTGCCATTGTACTGGGATGCATGGGATGCATGGATTACCATCTAGAGAC  
 ACGGAAGCCTGTGCTGGCCAGGCAGGGACCCTGGCAGTGGGCACTGAAGGTGGCTCCGGGGCAGTGCC  
 TGGTTCCTGCTCCAGATCAGCCCCAACAGCCGGCTCAGCCAGGAGTTGTGCTAGATGTTGGCTGCCCT  
 ATGTCCGCTTCCACACTGAGGTGCACTGGCAGCAGGCCACAAGTTCCTGAAGGTGGAGTCCCTGCTAG  
 AATACGGAGCCCCAGGCTACCTATGAGATCCAGTTTGGGCACCTCCAGAGGCCGACGCACAACAACACC  
 TCTTGGGACTGGGCTCGCTACGAGGTGTGGGCTACCCGCTGGATAGATCTGTCCGAGTGTGACTTTGGG  
 TGGCCCTGCTCAACAAGTATGGAGCATAGTACGAGGCAACGTCCTCAGCCTCTACTGTTGCG  
 TGCACCAAGGCTCCAGACGCTACTGCTGACATGGGGCGCCATGAATCACTTACGCTTTGATGCCACAC  
 AAGGGCTCCTTCCAAGAAGCTGGTGTATCCATGCTGCCATAACCTCACTTTCCCTGCTGGCACTGC  
 CGGCTCCAGGCCCGCCCTGACACCACCTGGAGTGCCTTTTCTGTGCTTACCAGCAGTAGTGTGGA  
 GACCATCAAGCAGGCTGAGAGGTGCCATCAGCACCACACTGGTCTAAGGCTGTACGAGGCTCATGGC  
 AGCCATGTGGACTGCTGGCTGCACACGTCGTTGCCTGTTTCCAGGAGCCACCCTTTGTGACCTCCTGGAGC  
 AGCGAGACCCCACTGGTCACTTTCCCTCCAGGACAACCGTCTGAAGCTCACTTTTCTCCCTTCCAAGT  
 GAGATCCCTATTGCTTGTGCTTCACTCCACCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR211506 representing NM\_028636  
 Red=Cloning site Green=Tags(s)

MAAAPFLKHWRITTFERVEKVFSPYIFTDCNLRGRFLFGDSCSVTLSSFLTPERLPYEKAVQQNFSPAQVGD  
 SFGPTWTCWFRVELVIPEVWVQEVHLCWESDGEVLRDGEVQGLTKEGEKTSYVLSERLRASDPRS  
 LTLYVEVACNGLLGGKGSMAAPDPEKMFQLSQAQLAVFHRDVHSLLDLELLLVAKGLGEDSQRFSQ  
 ALHTANQMVNICDPAQPETYPAAKALASKFFGQHGGESQHTIHAMGHCHIDTAWLWPFKETVRKCARSW  
 TAVTLMQNTDFIFACSAQQLWVKSQYPGLHARLQEFACRQFVPVGGTWWEMDGNLPSGEMVRQFL  
 QQQNFLLQEFGKMCSEFWLPDTFGYSAQLPQIMQCGIKRFLTQKLSWNLVNSFPHTFFWEGLDGSRL  
 VHFPPGDSYGMQSVVEVLKTVTNNRDKGRTNHSGLFVGFVGGGGPTQTMLDRLKRLSNTDGLPRVQLS  
 SPGQLFTALERDSGQLCTWVGFLELHNGTYTTAQLKKNRECEQILHDVEVLSSLALARSAQFLYPA  
 AQLQHLWRLLLLNFHDVVTGSCIQLVAEDAMNYIEDIRSHGNPLLAAAAALCAGEPGPKLLIINTLP  
 WKRTEVLALPKPCGAHSLALVTVPISIGYAPAPTPTSLQPLLPQPVFVMQETDGSVTLNNGIIRVRLDPT  
 GCLTSLVVASGREAI AEGALGNQFVLFDDVPLYDAWDVMDYHLETRKPVLGQAGTLAVGTEGGLRGA  
 WFLLQISPNSRLSQEVLDVGCYVRFHTEVHWHEAHKFLKVEFPARIRSPQATYIEIQFGLQRPTHNT  
 SWDWAREVWAHRWIDLSECDLGLALLNCKYASVRGNVLSLLRAPKAPDATADMGRHEFTYALMPH  
 KGSFQEAGVIHAAYNLNFPLLALPAGPAPDTTWSAFVSSPAVLETIKQAERCHQRTLVLRLYEAHG  
 SHVDCWLHTSLPVQEATLCDLLEQRDPTGHLSLQDNRLKLTFSPPQVRSLLLVLQSPPN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_028636

**ORF Size:** 3117 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\\_028636.2](#), [NP\\_082912.1](#)

**RefSeq Size:** 3221 bp

**RefSeq ORF:** 3120 bp

**Locus ID:** 73744

