

## Product datasheet for **MR224368**

### Col23a1 (NM\_153393) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Col23a1 (NM_153393) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Col23a1
Synonyms:	2810458L13Rik; AI429655
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR224368 representing NM\_153393  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCGCGGGGAGCGCGGGCGGGCGGAGGAGCGCGCAGGACCCGGAGCGGGTTCGGGTTCGGGG  
 CGCTGAGCGCGCTGTGCCTGCTGCTGTCGGTGGGCTCTGCGGCCCTGTCTCCTGTTGGGAGCCAGGC  
 GGCCGCCCTGCATGGCCGAGTGGCGGCGCTGGAGCAGGAGCGCGAGCTGTTGCGGCATGCGGGGCGTCC  
 GGAGCCCTGGCCGCTGGGCCGAAACGCACCTGGAGCGCCTGTTACGGGAGAAGTTGGATGGAGTCGCCA  
 AGCTCAGGACAGTTCGAGAAGCCCATCTGAGTGCATCTGTCCCCTGGTCCCCCTGGACGGCGTGGCAA  
 GCCTGGACGAAGAGGCGACCTGGTCTCCAGGGCAATCAGGACGAGATGGTACCCGGGACCTCTAGGT  
 CTGGACGCAAGCCGGACTTCCAGGCCCAAAGGGGAAAAGGTTACCCGGGAGACTTTGGCCCGGGG  
 GAGCCAAAGGCAAGATGGAGTTCAGGACCACCGGGGCTCCTGGACCCTGGGGCCCGGGCCCTCC  
 TGGTGACTGGGAAAGATGGCCCCGAGGAGCGCAAGGCCAGCGGGTCCAGAGGAGAGCCCGGACAA  
 GATGGCGAGATGGCCCCAAAGGACCTCCAGGACCAAGGGAGAACCTGGCATTCTGGGAAGAAGGGG  
 ATGATGGGATGGCCAACAGCCAGGACTCCCTGGACCCCAAGGGTGAAGGAGAGGATGTGGG  
 GCCCGAGGAGAGAATGGAGTGGACGGCATTCTGGACTAAAGGGGAGCCCGGTACCCAGGCGTGGAT  
 GGAGCCACAGGGCCCGGGTGCCTCGGGCCTCAAGGGAGAACAAGGTGACACAGTGGTAATCGACTATG  
 ACGGCAGGATCTTAGATGCCCTAAAGGGTCCCCCTGGACCACAGGGAGCTCCTGGCCACCAGGGATCCC  
 TGGAGCCAAGGGTGAACCGGATTCCTGGTGTCCAGGAATCGATGGAGAGAAGGTCCCAAAGGACCA  
 AAAGGAGACCCGGGAGAGCCTGGACCAGCTGGGCCAAAGGGGAAAACAGGAGAGATGGCCTGTCAAGTC  
 TTCCGGTGTCTGATGGTCCCAAGGGGAAAAGGGAGAGTGGCGTCTGACCATCTACAAGAGAGCCGTCGC  
 CCAGATCATAGTGAACCAAGGCCCTGGTCTCCTGGTCCCCCTGGCCCCATGGGCCTTCAGGGGATC  
 CAAGGTCCCAAGGCCTGGATGGAGCAAGGGGAAAAGGTTACATCGGGTGAAGAGAGCCCTCACGGCC  
 TGCTGGACAGTTGGCCACCAGGCCTTATTGGTTGCCAGGAACAAAGGAGAGAAGGCAGACCTGG  
 AGAACCAGGACTCGATGGTTCCCTGGACCCAGGGGAGAGAAGGGTGACCGAAGTGAACGTGGAGAGAAG  
 GGGGAGCGAGGAGTTCCTGGCCGAAAGGCGTGAAGGGCCAGAAGGGAGAGCCGGGCCACCAGGCCTTG  
 ACCAGCCATGCTGTGGCCCCGATGGGTTGCCTGTGCCTGGTGTCTGGCATAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR224368 representing NM\_153393  
 Red=Cloning site Green=Tags(s)

MGAGERAAGGGGAQDPGAGCGSRAL SALCLLL SVGSAAACLLLGAQAAALHGRVAAL EQRERLLRHAGPS  
 GALAAWAETHLERLLREKLDGVAKLRTVREAPSEICPPGPPGRRGKPGRRGDPGPPGQSGRDGYGPGLG  
 LDGKPGLPKPKGEGTPGDFGPRGAQQQDGVAGPPGPPGPPGARGPPGDTGKDGRGAQQGPAGRPEPGQ  
 DGEMGPKGPPKGEPIPGKKGDDGMANQPGLPGPPKGEPIGPRGNGVDGIPGLKGEPIGHPVD  
 GATGPRGAPGLKGEQGDVVIDYDGRILDALGPPGPPGAPGPPGIPGAKGELGLPGAPIDGKPKGP  
 KGDPGEPGAPKGETGEMGLSGLPGADGPKGEKGESASDHLQESLAQIIIVEP GPPGPPGPPGPMGLQGI  
 QGPKGLDGAKGEKGTSGERPHGLPGVPPGLIGLPGTKGEKGRPEGLDGFPPRGEKGRDRSERGEK  
 GERGVPRKGVKGQKGEPPGLDQPCVPGPDGLPVPGCWHK

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9041\\_g04.zip](https://cdn.origene.com/chromatograms/mm9041_g04.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_153393

**ORF Size:** 1596 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\\_153393.2](#), [NP\\_700442.2](#)

**RefSeq Size:** 5665 bp

**RefSeq ORF:** 1599 bp

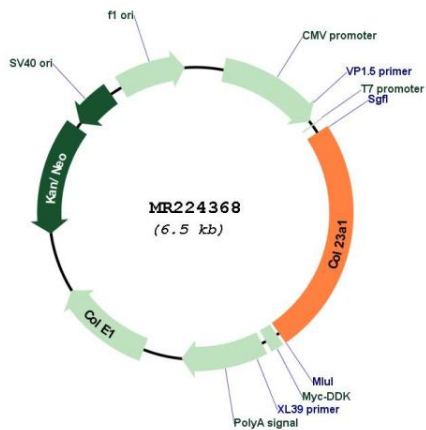
**Locus ID:** 237759

**UniProt ID:** [Q8K4G2](#)

**Cytogenetics:** 11 B1.3

MW: 51.9 kDa

Product images:



Circular map for MR224368