

## Product datasheet for **MR209614**

### **Tmco4 (NM\_029857) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tmco4 (NM_029857) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmco4
Synonyms:	4632413C14Rik; AI430825
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR209614 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCACATGGAACAGGCCACACCCAAGCAGCCTGTGGCACCAGGCCAGCTGCAGAAGACGATTCCC  
AGCAGCCCCTGGGCCGGGAGCTCTCGGAGGCCAATCGCTTCGCCTATGCCGCCCTGTGTGGCTTCTCGTT  
GTCACAGCTGTTCCAGAACCTGAACAAAGCTCCTTCTGCACAGAATTTGTGACGGGCTGGTGAATGG  
CTGCATCTGTCTGAAAGTGTCTCCAACCATGATGGCCTTTGCCAGTGGCCTGGGAGGCGAAGGAGCCG  
ACATCTTTGCTCAGACTTTATTGCAGGACCCATTCTGAGAGACAACCCATCAGCAGTCAGTCAGGACCT  
CCTGAGCTTCTCACTCAAGAATGGACACTATGATGCCCGGCCAGAGTCCCTGTTTGTATGTGACCTCC  
CTGCTCCAGGTGCCCATGGAGGAGCTTGACATTCTGGAAGAGGTGTTCTGGAGAGCCTGAAGGACACCA  
AAGAGGAGGAGTCTGAGACCGCAGAGGCATCCCGAAGAGGAAAGAAAAACGGAGGAAGTGGAAACGCTA  
TCTTCTGATAGGCCTGGCCACAGTTGGAGCGGGACAGTGATTGGTGTGACTGGGGGGCTAGCTGCCCA  
CTTGTCGCTGCAGGAGCCGAACCATCATAGGCAGTGCCGGGGCAGCCGGTGGGCTCAGTGGCTGGCA  
TCGCTGTTATGACTTCACTGTTTGGTGCAGCCGGAGCTGGCCTGACAGGATACAAGTGAAGAAGCGAGT  
CGGAGCCATTGAGGAGTTCATGTTCTGCCTTTGACGGAAGGCCGGCAGCTACATATCACCATTGCCATC  
ACTGGCTGGCTCGGGTCCGGCAGATACCGCACATTTAATGCCCATGGATGGCCCTAGCCCGAAGCCAGG  
AGCAGTACTGCCTGGCCTGGGAGGCCAAGTACCTGATGGAGTTGGGCAATGCCCTGGAGACCATCCTCAG  
TGGCCTCGCTAACATGGTAGCACAGGAGGCTCTCAAGTACACAGTGTCTCTGGTATCGTGGCTGCTTA  
ACCTGGCCAGCCTCACTCCTCAGCGTCGCAATGTCATCGACAACCCCTGGGGCGTGTGCCTCCACCGAT  
CGGCAGAAGTTGGCAAGCACCTGGCGCACATCCTTCTCTCACGGCAACAGGGCCGGAGACCTGTCACCTT  
GATTGGATTAGCCTGGGAGCCAGAGTCATCTACTTCTGTCTGCAAGAAATGGCTCAGGAGCAAGATTGC  
CAAGGGATCATTGAGGATGTGGTCTTCTGGGCGCACCAGTAGAAGGGGACCCCAAGCACTGGGAACCAT  
TCCGGAATGTGGTGTCTGGGAGAATCATCAATGGCTACTGCAGGGGAGACTGGCTGCTGAGCTTCGTGTA  
CCGCACATCTTCGGTGCAGCTCCGCGTCGCGGCCCTCCAGCCTGTGCTGCTGCAGGACCGGAGGATGGAG  
AATGTGGACCTGACCTCCGTGGTCAATGGCCACTTGGACTACGCCAAGCAAATGGATGCCATCCTGAAGG  
TTGTGGGCATCCGCACCAAGCCTGGCTGGGAGAGAAGGGACTCCCACTGGCCCCGGCAGCCTGCCCA  
AGAAGAGCCTCTCCAGACAGCCATAGTCTCTACAGATGAGACAATCCTCCAGGATGGACAAAGCCAGGGA  
CCTGCCTCAGAAGACAGTCTCAAACCACCATACTTCCAGTGCCAGCCAAGCCAGATGCCAGCAGGGC  
TGAAACAGTCCACAGAGGACTCGCTCTCTACTGCTGCTCCTGGCAGAGGGACACCTGATCTGCAGCCA  
TGGTGTGGGTCCCAACCCACTGGGCTGCCTGACTGCACCCATGGGACCCAGGAGTCTGTACAGAAGT  
GAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR209614 protein sequence  
 Red=Cloning site Green=Tags(s)

```
MATWNRPHRQPVAPEPAAEDDSQQPLGRELSEANRFAYAALCGFSLSQLFPEPEQSSFCTEFVTLGLVKW
LHLSSEVLPTMMAFASGLGGEGADIFAQTLLQDPILRDNPSAVSQDLLSFSLKNGHYDARARVLVCHVTS
LLQVPMEEILDILEEVFLESLKDTKEEESETAEASRKRKEKRRKWKRYLLIGLATVGGGTVIGVTGGLAAP
LVAAGAATIIGSAGAAALGSVAGIIVMTSLF GAAGAGL TGYKMKRVGAIIEEFMFLPLTEGRQLHITIAI
TGWLGSGRYRTFNAPWMLARSQEYCLAWKAYLME LGNALETILSGLANMVAQEALKYTVLSGIVAAL
TWPASLLSVANVIDNPWGVLCHRSAEVGHKLAHILLSRQQRRPVTLIGFSLGARVIYFCLQEMAQEQDC
QGIIEDVLLGAPVEGDPKHWEFPRNVVSGRIINGYCRGDWLLSFVYRTSSVQLRVAGLQPVLLQDRRME
NVDLTSVNVGHLDYAKQMDAILKVVGIRTKPGWGEKGLPLAPGSLPQEEPLQTAIVSTDETILQDQGSQG
PASEDSLKTTIPSSASQAQMPAGLNQSTEDSLSTAAAPAEGLICSHGVGPNPLGCPDCTHTGQESCTEL
D
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_029857

**ORF Size:** 1896 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\\_029857.1](#), [NM\\_029857.2](#), [NM\\_029857.3](#), [NP\\_084133.1](#)

**RefSeq Size:** 3322 bp

**RefSeq ORF:** 1896 bp

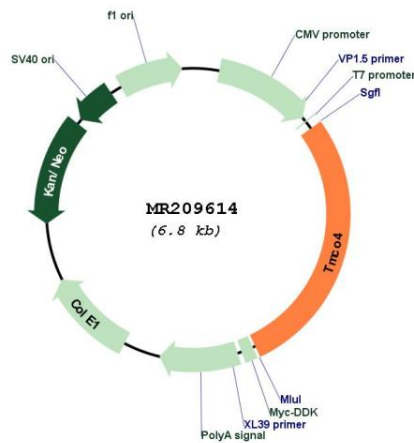
**Locus ID:** 77056

**UniProt ID:** [Q91WU4](#)

**Cytogenetics:** 4 D3

**MW:** 67.9 kDa

**Product images:**



Circular map for MR209614