

Product datasheet for **RR210943**

Tmco4 (NM_001034949) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmco4 (NM_001034949) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmco4
Synonyms:	MGC124660
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR210943 representing NM_001034949
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGCCACATGGAACCGGCCACCCAAGGCTGCCTGTGGCACCAGGCCAGTTGCAGAAGGGGAGTCCC
AGCAGCCCCTGGGGCAGAGCTCTCGGAGGCCAACCGTTTTGCCTATGCCGCCCTGTGTGGCATCTCTTT
GTCACAGCTGTTCCAGAACCTGAGCAAAGCTCCTTCTGCTCAGAATTTGTGACGGGCTGGTGAATGG
TTGCATCTGTCTGAAACTGTCCTCCAACCATGATGGCCTTTGCCAGCGCCTGGGAGGCAAAGGAGATG
ACATCTTTGCTCAGACTTTATTGAAGGACCCATTCTGAAAGACAACCCATCAGCCATCAGTCAGGACCT
CCTGAGCTTCTCACTCAAGGATGGGCACTACGATGCCGAGCCAGAGTCTCGTTTGTCTGTGATCTCC
CTGCTCCAGGTGCCCATGGAGGAGCTTGATATTCTCGAAGAGGTGTTCTGGAGAGCCTGAAGGACGCCA
AAGAGGAGGAGTCTGAGACCGCAGAGGAGTCCCGAAGAGAAAAGAAAAAGGAGGAAGTGAAGCGCTA
TCTCTGATTGGCCTGGCCACAGTTGGAGCGGGACAGTGATTGGTGTGACAGGGGGCCTAGCTGCCCCC
CTTGTTGCCGCCGGAGCTGCGACAATTATAGGCAGCGCTGGGGCAGCTGGGTTGGGCTCCGTGGCTGGCA
TCGCTGTTATGACCTCACTGTTTGGTGCAGCCGAGCTGGCCTGACAGGATACAAGTGAAGAAGCGAGT
CGGGGCCATTGAGGAGTTCATGTTCTGCCTCTGACGGATGGCAAGCAGTACATATCACCATCGCCATC
ACTGGCTGGCTCGGGTCCGGCAGATACCGTACATTCAATGCCCATGGATGGCCCTAGCCCGCAGCCAGG
AGCAGTACTGCCTGGCCTGGGAGGCCAAGTACCTGATGGAGTTGGGCAATGCCCTGGAGACCATTCTCAG
TGGCCTCGCTAACATGGTGGCCAGGAGGCTCTCAAGTACACCGTGTCTCTGGTATCGTGGCTGCTCTA
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CTGCTGAGGTTGGCAAGCACCTAGCACACATCCTTCTCTCGAGGCAACAGGGCCGGAGGCTGTACCTT
GATTGGATTACAGCCTGGGAGCCAGAGTCACTACTTCTGTCTGCAAGAGATGGCTCAGGAGCAAGATTGC
CAAGGGATCATCGAGGATGTTGTCTTCTGGGCGCACCAGTAGAGGGGGACCCCAAGTACTGGAACCGT
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AACGTGGACCTGTCTCAGTGGTCAATGGCCATTTGGACTATGCCAAGAAAATGGATGTCATCCTGAAGG
CTGTGGGCATCCGCACCAAGCCTGGCTGGAGTGAAGGGACTCCCACTGGCCCCGGCGGCTGCCCA
AGAAGAGCCTCTCCAGCCAGCCACAGTCTCCACAGATGAGACAATCCACCAGGATGAACAAAAGCAGGGA
CCTGCCCCAGGAGACAGTCTCAAATCCGCCATTCCTTCCAGTGCCAGCCAAGCCAGGTGCCAGCAGGGC
TGGACCAATCCACAGAGGACTCGCTCCCTGCTGCCGCTGCACCAGCAGAGGGGCACCTGGTCTGCAGCCA
TGGTGTGGGACCAACCCACTGGGCTGCCTGACTGCACCCGTGAGACCCAGGAGTCTGTGCAGAACTA
GAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210943 representing NM_001034949
 Red=Cloning site Green=Tags(s)

MATWNRPHRLPVAPEPVAEGESQQPLGRELSEANRFAYAALCGISLSQLFPEPEQSSFCSEFVTGLVKW
 LHLSETVLPMTMAFASGLGGKDDIFAQTLLKDPILKDNPSAISQDLLSFLKDGHYDARARLVCHVIS
 LLQVPMEEILDILEEVFLESKDAKEEESETAEEESRKRKEKRRKWKRYLLIGLATVGGGTVIGVTGGLAAP
 LVAAGAATIIGSAGAAALGSVAGIAMTSLF GAAGAGL TGYKMKR V GAIIEEFMFLPLTDGKQLHITIAI
 TGWLGSGRYRTFNAPWMALARSQEYCLAWKYLME LGNALETILSGLANMVAQEALKYTVLSGIVAAL
 TLPASLLSVANVIDNPWGVLCHRSAEVKGHLAHILLSRQQGRRPVTLIGFSLGARVIYFCLQEMAQEQDC
 QGIIEDVLLGAPVEGDPKYWEPFRNVVSGRIINGYCRGDWLLSFVYRTSSVQLRVAGLQPVLLQDRRME
 NVDLSSVNGHLDYAKKMDVILKAVGIRTKPGWSEKGLPLAPGGLPQEEPLQPATVSTDETIHQDEKQKQ
 PAPGDSLKSAIPSSASQAQVPAGLDQSTEDSLPAAAAPAEGHLVCSHGVPNPLGCPDCTRETQESCAEL
 D

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

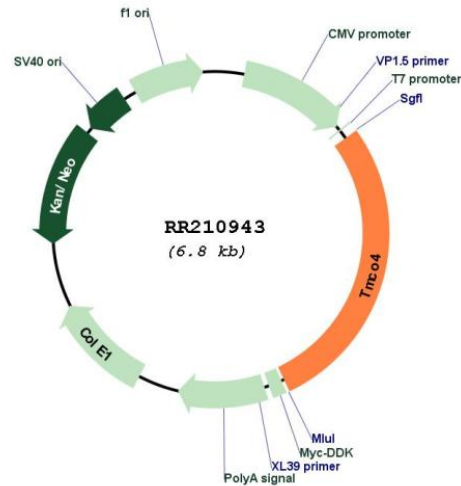
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001034949

ORF Size: 1893 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_001034949.1](#), [NP_001030121.1](#)

RefSeq Size: 2880 bp
RefSeq ORF: 1896 bp
Locus ID: 500573
UniProt ID: [Q499U8](#)
Cytogenetics: 5q36
MW: 67.8 kDa