

Product datasheet for **MG209614**

Tmco4 (NM_029857) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmco4 (NM_029857) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmco4
Synonyms:	4632413C14Rik; AI430825
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209614 representing NM_029857
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACATGGAACAGGCCACACCCAAGCGACCTGTGGCACCAGGCCAGCTGCAGAAGACGATTCCC
 AGCAGCCCTGGCCGGGAGCTCTCGGAGGCCAATCGCTTCGCCTATGCCGCCCTGTGTGGCTTCTCGTT
 GTCACAGCTGTTCCAGAACCTGAACAAAGCTCCTTCTGCACAGAATTTGTGACGGGCTGGTGAATGG
 CTGCATCTGTCTGAAAGTGTCTCCCAACCATGATGGCCTTTGCCAGTGGCCTGGGAGGCGAAGGAGCCG
 ACATCTTTGCTCAGACTTTATTGCAGGACCCATTCTGAGAGACAACCCATCAGCAGTCAGTCAGGACCT
 CCTGAGCTTCTCACTCAAGAATGGACACTATGATGCCCGGCCAGAGTCTCGTTTGTCTATGTGACCTCC
 CTGCTCCAGGTGCCCATGGAGGAGCTTGACATTCTGGAAGAGGTGTTCTGGAGAGCCTGAAGGACACCA
 AAGAGGAGGAGTCTGAGACCGCAGAGGCATCCCGAAGAGGAAAGAAAAACGGAGGAAGTGGAAACGCTA
 TCTTCTGATAGGCCTGGCCACAGTTGGAGCGGGACAGTGATTGGTGTGACTGGGGGCTAGCTGCCCA
 CTTGTCGCTGCAGGAGCCGAACCATCATAGGCAGTGCCGGGGCAGCCGGTTGGGCTCAGTGGCTGGCA
 TCGCTGTTATGACTTCACTGTTTGGTGCAGCCGGAGCTGGCCTGACAGGATACAAGTGAAGAAGCGAGT
 CGGAGCCATTGAGGAGTTCATGTTCTGCCTTTGACGGAAGGCCGGCAGCTACATATCACCATTGCCATC
 ACTGGCTGGCTCGGTCGGCAGATACCGCACATTTAATGCCCATGGATGGCCCTAGCCCGAAGCCAGG
 AGCAGTACTGCCTGGCCTGGGAGGCCAAGTACCTGATGGAGTTGGGCAATGCCCTGGAGACCATCCTCAG
 TGGCCTCGCTAACATGGTAGCACAGGAGGCTCTCAAGTACACAGTGTCTCTGGTATCGTGGCTGCTCTA
 ACCTGGCCAGCCTCACTCCTCAGCGTCGCAATGTCTCATCGACAACCCCTGGGGCGTGTGCCTCCACCGAT
 CGGCAGAAGTTGGCAAGCACCTGGCGCACATCCTTCTCTCACGGCAACAGGGCCGGAGACCTGTCACCTT
 GATTGGATTACAGCTGGGAGCCAGAGTCACTACTTCTGTCTGCAAGAAATGGCTCAGGACAAGATTGC
 CAAGGGATCATTGAGGATGTGGTCTTCTGGGCGCACCAGTAGAAGGGGACCCCAAGCACTGGGAACCAT
 TCCGGAATGTGGTGTCTGGGAGAATCATCAATGGCTACTGCAGGGGAGACTGGCTGCTGAGCTTCGTGTA
 CCGCACATCTTCGGTGCAGCTCCGCGTCGCGGCCCTCCAGCCTGTGCTGCTGCAGGACCGGAGGATGGAG
 AATGTGGACCTGACCTCCGTGGTCAATGGCCACTTGGACTACGCCAAGCAATGGATGCCATCCTGAAGG
 TTGTGGGCATCCGCACCAAGCCTGGCTGGGAGAGAAGGGACTCCCACTGGCCCCGGCAGCCTGCCCA
 AGAAGAGCCTCTCCAGACAGCCATAGTCTCTACAGATGAGACAATCCTCCAGGATGGACAAAGCCAGGGA
 CCTGCCTCAGAAGACAGTCTCAAACCACCATACTTCCAGTGCCAGCCAAGCCAGATGCCAGCAGGGC
 TGAACCACTCCACAGAGGACTCGCTCTCTACTGCTGCTGCTCCGGCAGAGGGACACCTGATCTGCAGCCA
 TGGTGTGGGTCCCAACCCACTGGGCTGCCTGACTGCACCCATGGGACCCAGGAGTCTGTACAGAAGTGC
 GAC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209614 representing NM_029857
 Red=Cloning site Green=Tags(s)

MATWNRPHRQPVAPPEAAEDDSQQPLGRELSEANRFAYAALCGFSLSQLFPEPEQSSFCFTEFVTGLVKW
 LHLSESVLPTMMAFASGLGEGADIFAQTLQDPILRDNPSAVSQDLLSFSLKNGHYDARARLVCHVTS
 LLQVPMEEILDILEEVFLESKDTKEEESETAESRKRKEKRRKWKRYLLIGLATVGGGTIVGVTGGLAAP
 LVAAGAATIIGSAGAAAALGSVAGIAVMTSLFGAAGAGLTGYKMKKRVGAIIEEFMFLPLTEGRQLHITIAI
 TGWLGSGRYRTFNAPWMALARSQEYCLAWKYLMELELNALETILSGLANMVAQEALKYTVLSGIVAAL
 TWPASLLSVANVIDNPWGVLHRSAEVQKHLAHLILLSRQGRRPVTLIGFSLGARVIYFCLQEMAQEQDC
 QGIIEDVVLLGAPVEGDPKHWEFPRNVVSGRIINGYCRGDWLLSFVYRTSSVQLRVAGLQPVLLQDRRME
 NVDLTSSVYNGHLDYAKQMDAILKVVVGIRTKPGWGEKGLPLAPGSLPQEEPLQTAIVSTDEITLQDQGSQ
 PASEDSLKTTIPSSASQAQMPAGLNQSTEDSLSTAAPAEGHLICSHGVGNPLGCPDCTHGTQESCTEL
 D

TRTRPLE - GFP Tag - V

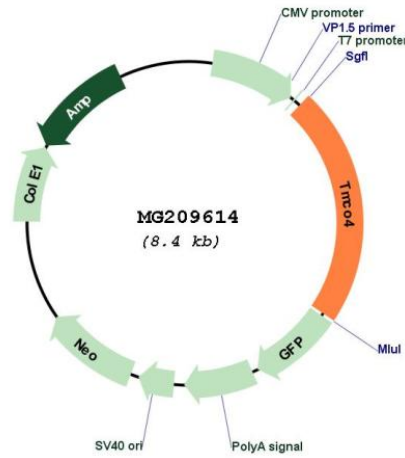
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_029857

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:	<ol style="list-style-type: none">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_029857.2 , NP_084133.1
RefSeq Size:	3312 bp
RefSeq ORF:	1896 bp
Locus ID:	77056
UniProt ID:	Q91WU4
Cytogenetics:	4 D3