

Product datasheet for **MR217428**

Tmco6 (NM_028036) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmco6 (NM_028036) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmco6
Synonyms:	2410015B03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR217428 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGAATCGGGCAGGGCCGCCTCAGACGCTGGCGTTTGGGTGGAGGAGCTGCGGCGCCCGCCGGC
 GGGAGCGGGAGGCAGCCCTGCGGAAGGCCGCGGAGGGAGCAGCAGTTAGTCAGCAAGAGGCTGCTGAGGGA
 AGACGCCCCGGAAGAAGTCGAGGCCAGAGTGCAGCTGTGCTCCTTGGGAAGCCGAGGTCCAGCAGTTC
 CTTGCGCTCGCCCAACGGGGGACAGATGAAAAGGAGAGGGAGAAGGCTCTGGTCAGCCTTCGTCGAGGCT
 TGCAGCACCTGACACACAGCAAACCTTCATCAGGCTGGAGGGCAGCATGCGGACCCTTGTGGGATTTT
 GACCAGCAACCGGGCCTTGTTCAGCTTGGAGCGGCTCGGTGCCTTCATGAGCTCTCTATTCTGAGCAG
 TCTGCAGTGGCTGAGGCCTGCCTGCCAGCGACTTCTACCTCCTCACCTACCTCTCTGGTCACAGCTCAG
 ATTTTCATAGAGCTGTGTCTGTACACACTGGGAACCTCATCGTGGAGAGTGAGGCCGTGAGAAAGCAGCT
 CCTGCCGAGGGCATTGTCCAGCCTTGTGCTGCCTGCATCCAGTCCCCCATGTGGCTGTGCTGGAAGCA
 CTTGGATATGCCTTGTCCAGCTTCTGCAGGCTAAGGAAGCCCCAGAGAAGATCATTCCCTCTATTCTGG
 ATTCCAGTCTTCCCAGCAGATGCTACGGTTGATGCAACCAGGCCGAAGCTGAACCTTGGGGTTGCCAT
 GGAGTTTGCTTGGTGCCTTCACTATATCATCTGCAGCCAGGTCAACAATGCTGTGCTCCTTACCCATGGG
 GCTCTGCCACGTTGGCACTGCTGCTTTTGGACTTGGCTGGGACTGTGCAGAGAAATGGATGATGTGGGAC
 TAGAGTGCTTGCATGCCCGTGCCTCGGTGTCTAAGCAACCTGTTAACAGAAGTGCCAGCGGAGGTCAT
 GGGACAGCAAATGGAGCTCAGAGACGAGCGACTTGTGGCAGCCTATTTATCTTCTCCAGTTCTTCCTT
 CAGAAACAGCCTGCCTTGTACCTGAGGGCCTCTGGCTCCTCAACAACCTCACTGCAAACAGTCTACTT
 TTTGATCTCCTTGTCTCTCTGGATCTGATCGAGCCGCTTTCAGTTGTTGCCACTATCAAATGTCAGT
 ATGCAATGTTGGTGTCTCACAGTTCTGTGCAATGTGCTAGAGAAGGGTCCAGCTTACTGCCAGCGGTTGTGG
 CCAGGACCCCTGCTCTCCTGCGTCTTAAACACTGGCTCTCTCTGACACCGAAGTAGTAGGCCAGAGTT
 TGGAGCTGCTGCAGCTGCTATTCTTGCATCAGCCAGAGGCTGCCCGAGCCTTCTCTGCAGCAGTCAAGGCT
 GCAGGCCCTAGAAAAGCTCCAGGAGGAACTCAGCTTCCAGGAGGATACACGCGCTCCAGCAGATAGCT
 GCTACCCATGGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217428 protein sequence
 Red=Cloning site Green=Tags(s)

MWNRRQRLRLTLAFGVEELRRRRREREALRKARREQQLVSKRLLREDAPEEVGGQSAAVLLGEAEVQF
 LRLAQRGTDEKEREKALVSLRRGLQHPDTQQTFRLEGSMTLVGILTSNRALLQLEAARCLHELHSHSEQ
 SAVAEACLPAATSYLLTYLSGHSSDFIELCLYTLGNLIVESEAVRQQLLPQGIQVPAFAACIQSPHAVLEA
 LGYALSQLLQAKEAPEKIIPSIIDSSLPQMLRLMQPGPKLNLGVAMEFAWCLHYIICSQVNNVALLTHG
 ALPTLALLLLDLAGTVQRMDDVLELLACPVLRLSNLLTEVPAEVMGQMELRDERLVAALFIFLQFFL
 QKQPALLPEGLWLLNNLTANSPTFCTSLLSLDLIEPLLQLLPLSNAVCMVLVTLVLCNVVEKGPAYCQRLW
 PGPLLSCVNLNLALSDTEVVGQSELELLQLLFLHQPEAARAFLLQSSGLQALEKLQEETQLQERIHALLQQA
 ATHG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_028036

ORF Size: 1485 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_028036.3](#), [NP_082312.3](#)

RefSeq Size: 1815 bp

RefSeq ORF: 1485 bp

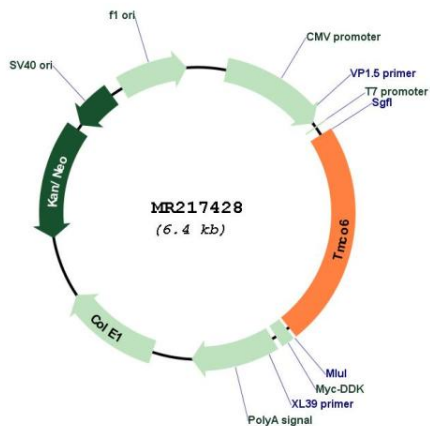
Locus ID: 71983

UniProt ID: [Q8BQX5](#)

Cytogenetics: 18 B2

MW: 54.9 kDa

Product images:



Circular map for MR217428