

Product datasheet for **RR210043**

Tmco6 (NM_001106154) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmco6 (NM_001106154) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmco6
Synonyms:	RGD1309263
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR210043 representing NM_001106154
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGGGTTCGGCGGCAGGGCCGCCTCAGGACGCTGGCGTGTGGGGTGGAGGAAGTGCAGCGCCGGCGGC
 GGAACCGGAGGAGCCCTGCGGAAGGCCGAGGAGCAGCAATTGGTCAGCAAGAGGCTGCTGAGGGA
 AGACGCCCCGGAAGAAACCGGAGGCCAGAGTGCAGCTGTGCTCCTTGGGAAGCCGAGGTCCAGCAGTTT
 CTTGCGGTAGCCCAACGGGGAACAGATGAAAAGGAGAGGAGAAGGCTCTGGTCAGCCTTCGTCGAGGCT
 TGCAGCACCTGACACACAGCAAACCTTCATCAGGCTGGAGGGCAGCATGCGGACCTTGTGCGGCTCTT
 GACCAGCAATCGGGCCCTGTTGCAGCTTGGAGCGGCTCGGTGCCTACATGAGCTCTCTATTCTGAGCAG
 TCTGCAGTGGCTGAGGCCTGCCTGCCAGCTACTTCTACCTCCTCACCTACCTCTCTGGTCACAGCTCAG
 ACTTCATAGAGCTGTGTCTGTACACACTGGGAACCTTATCGTGGAGAGCGAGGCTGTGAGAAAGCAGCT
 CCTGCCACAGGCATTGTTCCGGCTTTTGTGCCTGCATCCAGTCCCCCATGTGGCTGTGCTGGAGGCC
 CTTGGATATGCCTTGTCCAGCTTCTGCAGGCTAAGGAAGCTCCAGAGAAGATCATTCCCTCTATTCTGG
 ACTCCAGCCTTCCCCAGCAGATGCTGCGATTGATGGGACCAGGCCGAAGCTGAATCTTGGGGTTGCTAT
 GGAGTTTGCTGGTGCCTTCACTATATCATTGTCAGCCAGGTCAACAATGCTGTGCTCCTCACCCACGGG
 GCTCTGCCACGTTGGTACTGCTGCTGGTGGACTTGGCTGGGGCTGTGCAGAGAACGGATGATGTGGGAC
 TAGAGTCTTGCATGCCTGTGGTTCGGTGTCTAAGCAACCTGTTAACAGAAGTCCAGCGGAGGCCAT
 GGGACAGCAAATGGAGCTCAGAGACGAGCGACTGTGGCAGCCTATTTATCTTCTCCAGTTCTTCCTT
 CAGAAACAGCCCGCTTGTACCTGAGGGCCTCTGGCTCCTCAACAACCTCACTGCAAATAGTCTACTT
 TTTGACTCATTGCTCTCCCTGAATCTGATTGAGCCCTCTTGCAGCTGTTGCCGCTGCAAATGTGGT
 CTGCATGTTGGTCTTACAGTTCTGTGCAACGTTGTAGAGAAGGGTCCCGCTTACTGCCAGCGTTATGG
 CCAGGACCTTGTCTCCTGCTTAAACACTGGCTCTCTCTGACACCGACGTGGTAGGCCAGAGTT
 TGGAGCTGCTGCAACTGCTGTTCTGTATCAGCCAGAGGCTGCCATGCCTTTCTGCAGCAGTCAAGGCT
 TCAGGCCCTAGAAAAGCATCAGGAGGAACTCAGCTTCACGATAGGATACATGCTCTCCGACAGACAACT
 GCTATTCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210043 representing NM_001106154
 Red=Cloning site Green=Tags(s)

MWRRRQRLRLACGVEELRRRRREREALRKARREQQLVSKRLLREDAPEETGGQSAAVLLGEAEVQF
 LRLAQRGTDEKEREKALVSLRRGLQHPDTQQTFRLEGSMTLVGLLTSNRALLQLEAARCLHELHSHSEQ
 SAVAEACLPAATSYLLTYLSGHSSDFIELCLYTLGNLIVESEAVRQQLLPQIVPAFAACIQSPHAVLEA
 LGYALSQLLQAKEAPEKIIPSIIDSSLPQMLRLMGPGLNLGVAMEFAWCLHYIICSQVNNVALLTHG
 ALPTLVLLLVDLAGAVQRTDDVLELLACPVVRCLSNLLTEVPAEAMGQMQELRDERLVAALFIFLQFFL
 QKQPALLPEGLWLLNNLTANSPTFCTSLLSLNLIEPLLQLLPLSNVVCMLVLTVLCNVVEKGPAYCQRLW
 PGPLLSCLLNTLALSDTDVVGQSLELLQLLFLYQPEAAHAFLLQSSGLQALEKHQEETQLHDIRIHALRQTT
 AILG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001106154

ORF Size: 1482 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_001106154.1](#), [NP_001099624.1](#)

RefSeq Size: 1842 bp

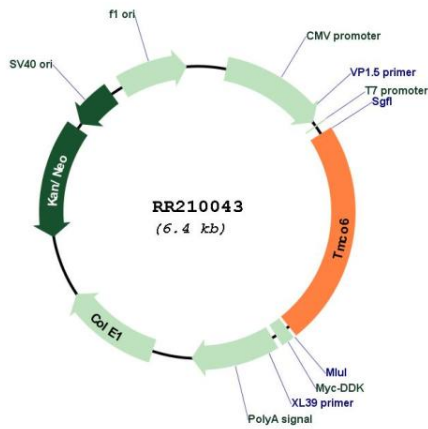
RefSeq ORF: 1485 bp

Locus ID: 291661

Cytogenetics: 18p11

MW: 54.7 kDa

Product images:



Circular map for RR210043