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Product datasheet for RC221776

TMCO6 (NM_018502) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMCO6 (NM_018502) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMCO6
Synonyms:	PRO1580
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC221776 representing NM_018502
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGAGCCGACGGCAGGGCCGCCTCAGGCCCACGGTCTGCGGGGTGGAGGAGCTACGGCGCCGCCGGC
GGGAGCGGGAGGCAGCACTGCGGAAGGCGCGGAGGGAGCAGCAGCTGGTCAGCAAGAGGCTGCTGAGAAA
CGACGCCCCAGAGGAAGCTGGAGAGGGATGTGTGGCTGCGATCCTCGGGGAAACCGAGGTGCAGCAGTTC
CTGCGGCAAGCCCAGCGGGGGACAGAGGAAAAGGAGAGAGAGGGGGCTCTGGTCAGCCTTCGTCGAGGCT
TGCAGCACCCTGAAACACAGCAAACCTTCATCCGGCTGGAGGGCAGCATGCGGACCCTGGTCGGGCTCCT
GACCAGCAACCAGGCCCTGCTGCAGCTTGAGGCGGCTCGGTGCCTGCATGAGCTCTCTCACTCCGAGCAG
TCCACTGTTGCTGAGGCCTGCCTGCCAGCCACTTCTTACCTCCTCACCTACCTCTCCAGTCACAGCTCAG
ACTTCATAGAGCTGTGTCTGTATACACTGGGTAACCTGATCGTGGAGAGTGAGGCTGTGAGAAGGCAGCT
CCTGCCACAGGGCATTGTTCCAGCCTTGGCTGCCTGCATCCAGTCCCCCCATGTGGCTGTGCTGGAAGCT
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CCTCCACTCTCCCTCAGCACATGCTACAAATGTTGCAACCTGGCCCAAAGCTCAACCCTGGGGTCGCTGT
GGAGTTTGCCTGGTGCCTTCATTACATCATCTGCAGCCAGGTCAGCAATCCTCTGCTCATTGGCCATGGG
GCTCTGTCTACTCTGGGGTTGCTGCTGTTGGACTTGGCTGGGGCTGTCCAGAAAACCGAGGATGCAGGAC
TGGAGCTGCTGGCATGCCCCGTGCTTCGATGTCTAAGCAACCTGCTAACTGAGGCAGCAGTGGAGACTGT
GGGAGGGCAAATGCAGCTCAGAGATGAGCGTGTTGTGGCAGCCTTATTTATCCTTCTGCAGTTCTTTTTC
CAGAAACAGCCCAGTCTGCTCCCTGAGGGCCTTTGGCTCCTCAACAACCTCACTGCAAACAGTCCTAGTT
TCTGTACCTCCTTGCTCTCCCTGGATCTGATTGAGCCTCTCTTACAGCTGTTGCCAGTATCTAACGTGGT
GAGCGTAATGGTGCTCACAGTTCTGTGCAATGTTGCAGAAAAGGGTCCTGCTTACTGCCAGCGGCTGTGG
CCAGGGCCCCTGCTTCCCGCCTTGCTGCACACACTAGCCTTTTCTGACACTGAAGTAGTAGGCCAGAGTT
TGGAGCTGCTGCATCTGCTGTTCCTGTATCAGCCAGAGGCTGTTCAGGTCTTCCTGCAGCAGTCAGGGCT
GCAAGCCCTGGAAAGGCATCAGGAAGAGGCCCAGCTCCAGGATCGTGTGTATGCTCTCCAGCAGACAGCT
CTTCAAGGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC221776 representing NM_018502
Red=Cloning site Green=Tags(s)

MWSRRQGRLRPTVCGVEELRRRRREREAALRKARREQQLVSKRLLRNDAPEEAGEGCVAAILGETEVQQF
LRQAQRGTEEKEREGALVSLRRGLQHPETQQTFIRLEGSMRTLVGLLTSNQALLQLEAARCLHELSHSEQ
STVAEACLPATSYLLTYLSSHSSDFIELCLYTLGNLIVESEAVRRQLLPQGIVPALAACIQSPHVAVLEA
LGYALSQLLQAEEAPEKIIPSILASTLPQHMLQMLQPGPKLNPGVAVEFAWCLHYIICSQVSNPLLIGHG
ALSTLGLLLLDLAGAVQKTEDAGLELLACPVLRCLSNLLTEAAVETVGGQMQLRDERVVAALFILLQFFF
QKQPSLLPEGLWLLNNLTANSPSFCTSLLSLDLIEPLLQLLPVSNVVSVMVLTVLCNVAEKGPAYCQRLW
PGPLLPALLHTLAFSDTEVVGQSLELLHLLFLYQPEAVQVFLQQSGLQALERHQEEAQLQDRVYALQQTA
LQG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8040_c04.zip

Restriction Sites: SgfI-MluI

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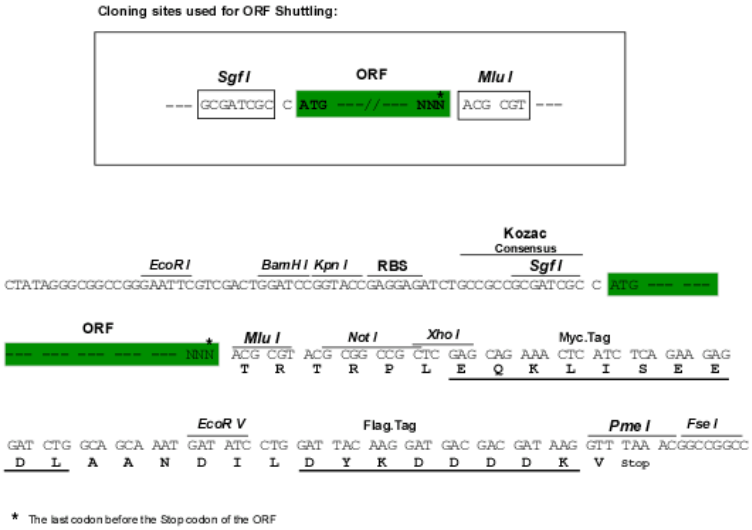
Cloning Scheme:



ACCN: NM_018502

ORF Size: 1479 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_018502.5

RefSeq Size: 1896 bp

RefSeq ORF: 1482 bp

Locus ID: 55374

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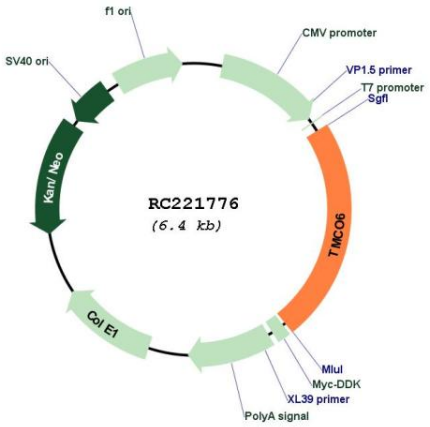
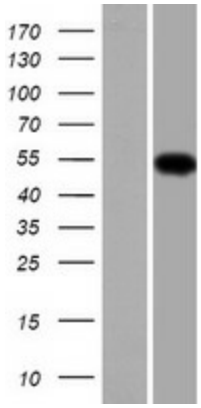
UniProt ID:	Q96DC7
Cytogenetics:	5q31.3
MW:	54.3 kDa

Product images:



Circular map for RC221776



Western blot validation of overexpression lysate (Cat# [LY413011]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221776 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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