

Product datasheet for RC204110

TMA16 (NM_018352) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMA16 (NM_018352) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMA16
Synonyms:	C4orf43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204110 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCCAAAGCACCAAGGGGAAAAAGTGCAGGACGGGAAAAAAGTCATCCATCCATATAGTAGAAAAG
 CAGCTCAAATTACGAGAGAGGCCCAACAAGAAAAAAGGAAAAATTGAAGATGAAAAGGCCTTGCG
 TCTCAACCTTGTTGGTAAAACTGCAATGGTTTCAAATCATCTTGATCCCCAAAAAGAGATATTCA
 AAGAAAGATGCTTGTGAATAATTGAAAGGTACTTAAATCGATTGAGCTGAGCTGGAGCAGATTGAGT
 TACATAACAGTATCAGGGACAGGCAGGGGAGCGGCACTGTTCCCGGAGACCGTCATCAAGCAGACGAT
 GGAGCGGGAGCGACAGCAGTTTGAAGGATATGGCCTTGAGATTCCAGACATTCTAAATGCAAGTAATCTG
 AAAACATTTAGGGAATGGGACTTTGATCTGAAGAAATTACCAACATTAAATGAGAAAAATTTGCGCTA
 ATGATGCAATTCCTAAGACGTGCAAGAGGAACTACTATAACTGTAGACCAAGATTTGGGGGAATTGGA
 ACTAAACGATGAATCAAGTGATTCAGATGAGGAAATGACTGCAGTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC204110 protein sequence Red=Cloning site Green=Tags(s)
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MPKAPKGSAGREKKVIHPYSRKAQITREAHKQEKKEKLKNEKALRLNLVGEKLQWFQNHLDPPKKRYS
 KKDACEIERYLNRFSSLEQIELHNSIRDRQRRHCSRETVIKQTMERERQQFEGYGLEIPDILNASNL
 KTFREWDFDLKKLPNIKMRKICANDAIPKTCRKTTITVDQDLGELELNDESSDSDEEMTAVA

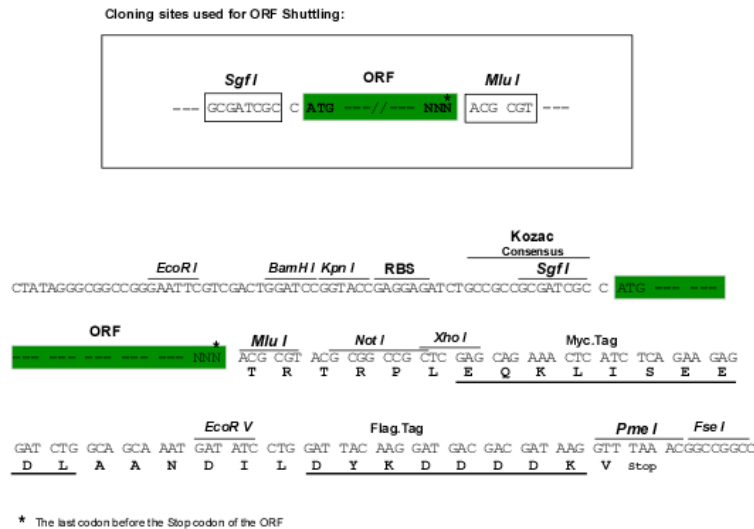
TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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Chromatograms: https://cdn.origene.com/chromatograms/mk6432_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018352

ORF Size: 609 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.

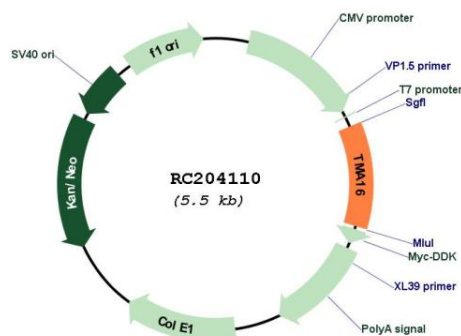
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_018352.3](#)

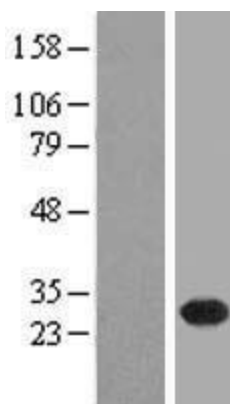
RefSeq Size: 1923 bp

RefSeq ORF: 612 bp
 Locus ID: 55319
 UniProt ID: [Q96EY4](#)
 Cytogenetics: 4q32.2
 MW: 23.8 kDa

Product images:



Circular map for RC204110



Western blot validation of overexpression lysate (Cat# [LY413104]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204110 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).