

Product datasheet for MR218906

Ttc5 (NM_177625) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ttc5 (NM_177625) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ttc5
Synonyms: 5930437N14; AW743060
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR218906 representing NM_177625
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGGCTGATGAAGAGGAAGAAGCGAAGCACGCTTTCAGAAATTGCAGGGACTGGTGGATCGGCTCT
 ACTGTTTTCGAGACAGTTACTTTGAGACACATAGTGTGAAGATGCAGGACGGAAGCAGCAGGATGTACA
 GGAAGAGATGGAGAAGACCCTGCAGCAGATGGAGGAAGTACTCGGTTCTGCCAGGTTGAGGCACAGGCT
 CTGATGCTGAAGGGGAAGCACTGAATGTGACTCCTGATTATAGCCCTGAGGCCGAGGTGCTTCTCTCCA
 AGGCCGTGAAGCTGGAGCCTGAGCTGGTGAAGCCTGGAACCAGCTGGGTGAGGTGACTGGAAGAAAGG
 AGATGTGCGCTCTGCCACACCTGCTTCTCAGGAGCCCTCACCCACTGCAAGAACAAAGTCTCTCTGCAG
 AACTTGTCCATGGTGTCCGCCAGCTGCAGACCGACTCTGGAGATGAACATTCTCGCCACGTCATGGACA
 CGCTCCGGCAGGCTAAGTTGGCCGTGCAGATGGATGTCTTGATGGCCGCTCCTGGTGTGAGTGT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218906 representing NM_177625
 Red=Cloning site Green=Tags(s)

MMADEEEEAKHVLQKLQGLVDRLYCFRDSYFETHSVEDAGRKQQDVQEEMKTLQMQEVLGSAQVEAQA
 LMLKGGKALNVTPDYSPEAEVLLSKAVKLEPELVEAWNQLGEVYWKGDVSAHTCFSGALTHCKNKVSLQ
 NLSMVLRLQTDSGDEHSRHMDSVRQAKLAVQMDVLDGRSWCEC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

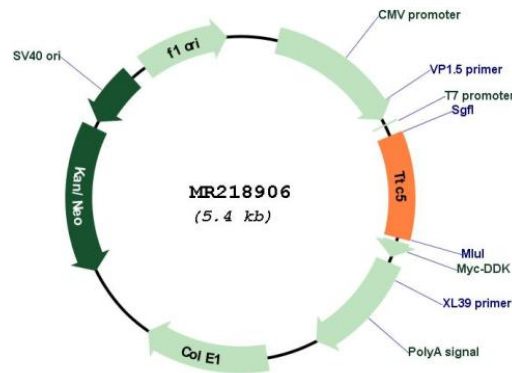


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Cloning Scheme:



Plasmid Map:



ACCN: NM_177625

ORF Size: 555 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:	<u>NM_177625.4</u> , <u>NP_808293.1</u>
RefSeq Size:	2403 bp
RefSeq ORF:	558 bp
Locus ID:	219022
Cytogenetics:	14 C1
MW:	21.4 kDa
Gene Summary:	Adapter protein involved in p53/TP53 response that acts by regulating and mediating the assembly of multi-protein complexes. Required to facilitate the interaction between JMY and p300/EP300 and increase p53/TP53-dependent transcription and apoptosis. Prevents p53/TP53 degradation by MDM2.[UniProtKB/Swiss-Prot Function]