

## Product datasheet for **MR207023**

### **Ttc5 (NM\_001080949) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ttc5 (NM_001080949) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttc5
Synonyms:	5930437N14; AW743060
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207023 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATGGCTGATGAAGAGGAAGAAGCGAAGCACGCTTTCAGAAAATTGCAGGGACTGGTGGATCGGCTCT  
 ACTGTTTTTCGAGACAGTTACTTTGAGACACATAGTGTGCGAAGATGCAGGACGGAAGCAGCAGGATGTACA  
 GGAAGAGATGGAGAAGACCCTGCAGCAGATGGAGGAAGTACTCGGTTCTGCCAGGTTGAGGCACAGGCT  
 CTGATGCTGAAGGGGAAGGCACTGAATGTGACTCCTGATTATAGCCCTGAGGCCGAGGTGCTTCTCTCCA  
 AGGCCGTGAAGCTGGAGCCTGAGCTGGTGAAGCCTGGAACCAGCTGGGTGAGGTGTACTGGAAGAAAGG  
 AGATGTACATCTGCCACACCTGCTTCTCAGGAGCCCTCACCCACTGCAAGAACAAGTCTCTCTGCAG  
 AACTTGTCCATGGTGTCCGCCAGCTGCAGACCGACTCTGGAGATGAACATTCTGCCACGTCATGGACA  
 GCGTCCGGCAGGCTAAGTTGGCCGTGCAGATGGATGTCCTTGATGGCCGCTCCTGGTATATCCTGGGGAA  
 TGCATATCTTTCTTTTATTTCAACTGGCCAGAACCCTAAGATCTCCAGCAAGCCCTCAGTGCCTAT  
 GCTCAAGCAGAGAAGGTGGACAGGAAAGCATCTAGCAACCCTGACCTTCACTCAACAGGGCGACGTTAC  
 ATAAATATGAGGAGAGTTATGGGGAGGCCCTTGAGGGTTTCTCTCAGGCTGCAGCGCTGGACCCTGCGTG  
 GCCAGAGCCCCAGCAACGAGAACAGCAACTCTTGGAACTCCTCAGTAGGCTAACCAGCCTCCTGGAGAGC  
 AAGGGGAAGACAAAGCCCAAGAAGCTGCAGAGCATGCTGGGAAGCTTGCGCCAGCTCATCTGGGCCCT  
 GTGGTGTGGGCGCTATCAGTCGGCCTCTGGGCAGAAGATGACCTGGAGCTTAAGCCACTGAGCACCCCT  
 GCAGCCTGGTGTGAACAGTGGCACCGTGGTCTGGGAAAGGTGGTGTTCAGCCTGACCACAGAGGAGAAA  
 GTCCCCCTCACGTTTGGCTTGGTAGATTCGATGGTCCCTGCTATGCAGTGATGGTGTATAATGTGGTGC  
 AGAGCTGGGAGTGCTCATCGGGACTCTGTAGCTATTCCTGAGCCCAACCTTCGGCATCATCAAATCCG  
 GCACAAGGGAAAGGACTATTCCTTCTCCAGCGTGCCTGTGGAAACGCCTCTTCTGCTGGTGGTGAATGGA  
 AAGCCACAGAACTCCAGCAGTCAAGCCTCTGCCACAGTAGCTTCAAGGCCACAGTGTGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207023 protein sequence  
 Red=Cloning site Green=Tags(s)

MMADEEEEAKHVLQKLQGLVDRL YCFRDSYFETHSVEDAGRKQQDVQEEMKTLQQMEEVLGSAQVEAQA  
 LMLK GKALNVTPDYSPEAEVLLSKAVKLEPELVEAWNQLGEVYWKKGDV TSAHTCFSGAL THCKNKVSLQ  
 NLSMVL RQLQTD SGDEHSRHMDSVRQAKLAVQMDVLDGRSWYILGNAYLSLYFNTGQNPKISQQALSAY  
 AQAEKVDRKASSNPDLHLNRATLHKYEEESYGEALEGFSQAAALDPAWPEPQQREQQLLEFLSRLTSLLES  
 KGKTKPKKLQSMLGSLRPAHLGPCGDGRYQSASGQKMTLEL KPLSTLQPGVNSGTVVLGKVVVSLTTEEK  
 VPFTFGLVDSGPCYAVMVYNVQSWGVLIGDSVAIPEPNLRHHQIRHKGDYSFSSVRVETPLLLVYNG  
 KPQNSSSQASATVASRPQCE

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001080949

**ORF Size:** 1323 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\\_001080949.1](#), [NM\\_001080949.2](#), [NP\\_001074418.1](#)

**RefSeq Size:** 1849 bp

**RefSeq ORF:** 1323 bp

**Locus ID:** 219022

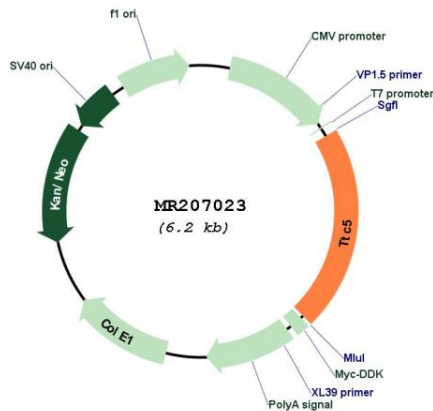
**UniProt ID:** [Q99LG4](#)

**Cytogenetics:** 14 C1

**MW:** 48.8 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]

**Product images:**



Circular map for MR207023