

Product datasheet for **RR212276**

Ttc5 (NM_001013131) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ttc5 (NM_001013131) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Ttc5
 Synonyms: MGC108914
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR212276 representing NM_001013131
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGGCTGATGAAGAGGAGGAAGCGAAGCAGGTCTTGCAAAATTGCAGGAAGTGGTGGATCAGCTCT
 ACTGTTTTGAGACAGTTACTTTGAGACACACAGTGTGGAAGATGCAGGACAGAAGCAGCAGGATGTTCA
 GGAAGAGATGGAGAAGACCCTGCGGCAGATGGAGGAAGTACTTGGTTCTGTCCAGTTGAGGCACAGGCT
 CTAAATGCTCAAGGGGAAGGCACTGAATGTGACTCCTGATTACAGCCCGGAGGCCGAGGTGCTGCTCTCAA
 AGGCCGTGAAGCTGGAGCCTGAAGTGGTGAAGCCTGGAACCAAGTTGGGTGAGGTGACTGGAAGAAAGG
 AGATGTTGCGGCTGCCACACCTGCTTCTCAGGAGCCCTCACCACTGCAAGAACAAGGTCTCTCTGCAG
 AACTTGTCCATGGTGTCCGCCAGTTGCAGACCGACTCCGGAGATGAACATTCTCGCCACGTCATGGATA
 GTGTCCGACAGGCCAAGTTGGCTGTGCAGATGGACGTCCTTGTGGCCGCTCCTGGTATATCCTGGGGAA
 TGCATATCTTTCTTTTATTTCAACTGGCCAGAACCCTAAGATCTCCAGCAAGCCCTCAGTGCCTAT
 GCTCAAGCAGAGAAGGTCGACAGGAAAGCATCCAGCAACCCTGACCTTCATCTCAACAGGGCGACGTTAC
 ATAAATATGAAGAGATTATGGGGAGGCCCTAGAGGGCTTCTCTCAGGCTGCCACGCTGGACCCTGCATG
 GCCAGAGCCCAACAACGAGAACAGCAGCTCCTGGAATTCCTCAGTAGGCTGACCAACCTCCTGGCGAGC
 AAGGGGAAGACAAAACCAAGAAGCTTCAGAGCATGCTGGGAAACTTGGCCCGGCCATCTGGGCCTT
 GTGGCGACGGGCGCTACAGTCAGCCACCGGGCAGAAGGTGACCTGCAGCTCAAGCCACTGAGTACGCT
 GCAGCCTGGTGTGAACAGCGGCACCGTGGTCTGGGAAAGGTGGTGTTCAGCCTGACCACAGAGGAGAAG
 GTCCCCTTACATTTGGCTTGGTAGATTAGACCGTCTTGTATGCCGTGATGGTGTATAATGTGGTGC
 AGAGCTGGGGAGTTCTCATTGGGACTCTGTAGCCATTCTGAGCCCAACCTGAGGCATCACAAATTC
 GCACAAGGGAAAGGACTATTCCTTCTCCAGCGTTCGCGTGGAAACGCCTTCTGCTGGTGGTGAATGGA
 AAGCCACAGAAGTCCAGCAGCAAGCCTCTGCCACAGTGGCTTCAAGGCCACAGTGTGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR212276 representing NM_001013131
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MMADEEEEEAKQVLQKLQELVDQLYCFRDSYFETHSVEDAGQKQDQVEEMKTLRQMEEVLGSVQVEAQA
 LMLK GKALNVTPDYSPEAEVLLSKAVKLEPELVEAWNQLGEVYWKKGDVAAAHTCFSGAL THCKNKVSLQ
 NLSMVL RQLQTDSGDEHSRHMDSVRQAKLAVQMDVLDGRSWYILGNAYLSLYFNTGQNPKISQQALSAY
 AQAEKVDRKASSNPDLHLNRATLHKYEEESYGEALEGFSQAATLDPAWPEPQQREQLLEFLSRLTNLLAS
 KGKTKPKKLQSMGLNLRPAHLGPCGDGRYQSATGQKVTLQLKPLSTLQPGVNSGTVVLGKVVFLSTTEEK
 YPFTFGLVDSGPCYAVMVYVNVVQSWGVLIGDSVAIPEPNLRHHQIQHKGDYSFSSVRVETPLLLLVNG
 KPQNSSSQASATVASRPQCE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

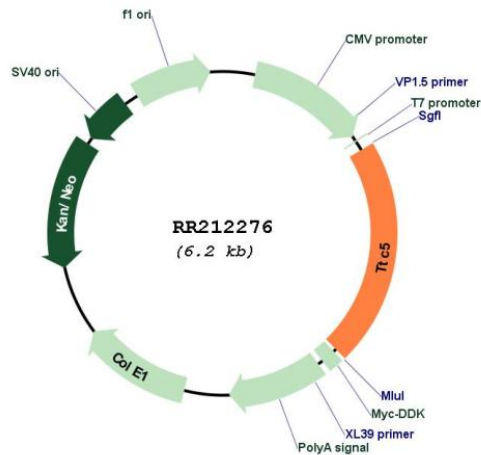
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001013131

ORF Size:	1320 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:	NM_001013131.1 , NP_001013149.1
RefSeq Size:	1955 bp
RefSeq ORF:	1323 bp
Locus ID:	305837
UniProt ID:	Q5BK48
Cytogenetics:	15p14
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 (By similarity).[UniProtKB/Swiss-Prot Function]