

Product datasheet for **MG207021**

Ttc5 (NM_001080949) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ttc5 (NM_001080949) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ttc5
Synonyms: 5930437N14; AW743060
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG207021 representing NM_001080949
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGGCTGATGAAGAGGAAGAAGCGAAGCACGCTTTCAGAAAATTGCAGGGACTGGTGGATCGGCTCT
 ACTGTTTTTCGAGACAGTTACTTTGAGACACATAGTGTGGAAGATGCAGGACGGAAGCAGCAGGATGTACA
 GGAAGAGATGGAGAAGACCCTGCAGCAGATGGAGGAAGTACTCGGTTCTGCCAGGTTGAGGCACAGGCT
 CTGATGCTGAAGGGAAGGCACTGAATGTGACTCCTGATTATAGCCCTGAGGCCGAGGTGCTTCTCTCCA
 AGGCCGTGAAGCTGGAGCCTGAGCTGGTGAAGCCTGGAACCAGCTGGGTGAGGTGACTGGAAGAAAGG
 AGATGTCACATCTGCCACACCTGCTTCTCAGGAGCCCTCACCCACTGCAAGAACAAGTCTCTCTGCAG
 AACTTGTCCATGGTGTCCGCCAGCTGCAGACCGACTCTGGAGATGAACATTCTCGCCACGTCATGGACA
 GCGTCCGGCAGGCTAAGTTGGCCGTGCAGATGGATGTCCTTGATGGCCGCTCCTGGTATATCCTGGGGAA
 TGCATATCTTCTCTTTATTTCAATACTGGCCAGAACCCTAAGATCTCCCAGCAAGCCCTCAGTGCCAT
 GCTCAAGCAGAGAAGGTGGACAGGAAAGCATCTAGCAACCCTGACCTTCACTCAACAGGGGACGTTAC
 ATAAATATGAGGAGATTATGGGGAGGCCCTTGAGGGTTTCTCTCAGGCTGCAGCGCTGGACCCTCCTGGAGAGC
 AAGGGGAAGACAAGCCCAAGAAGCTGCAGAGCATGCTGGGAAGCTTGGCCAGCTCATCTGGGCCCT
 GTGGTGTGGCCGCTATCAGTCGGCCTCTGGGCAGAAGATGACCCTGGAGCTTAAGCCACTGAGCACCCCT
 GCAGCCTGGTGTGAACAGTGGCACCGTGGTCTGGGAAAGGTGGTGTTCAGCCTGACCACAGAGGAGAAA
 GTCCCCTTACGTTTGGCTTGGTAGATTCGGATGGTCCCTGCTATGCAGTGATGGTGTATAATGTGGTGC
 AGAGCTGGGGAGTGCTCATCGGGGACTCTGTAGCTATTCTGAGCCCAACCTTCGGCATCATCAAATCCG
 GCACAAGGGAAGGACTATTCTTCTCCAGCGTGCCTGTGGAAACGCTCTTCTGCTGGTGGTGAATGGA
 AAGCCACAGAACTCCAGCAGTCAAGCCTCTGCCACAGTAGCTTCAAGGCCACAGTGTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG207021 representing NM_001080949
 Red=Cloning site Green=Tags(s)

MMADEEEEEAKHVLQKLQGLVDRLYCFRDSYFETHSVEDAGRKQQDVQEEMKTLQQMEEVLGSAQVEAQA
 LMLK GKALNVTPDYSPEAEVLLSKAVKLEPELVEAWNQLGEVYWKGDVTSAHTCFSGALTHCKNKVSLQ
 NLSMVL RQLQTDSGDEHSRHMDSVRQAKLAVQMDVLDGRSWYILGNAYLSLYFNTGQNPKISQQALSAY
 AQAEKVDRKASSNPDLHLNRATLHKYEE SYGEALEGFSQAAALDPAWPEPQQREQLLEFLSRLTSLLES
 KGKTKPKKLQSM LGSLRPAHLGPCGDGRYQSASGQKMTLELKPLSTLQPGVNSGT VVLGKVVFSLTTEEK
 VPFTFGLVDS DGPCYAVMVYVNVVQSWGVLIGDSVAIPEPNLRHHQIRHKGDYSFSSVRVETPLLLLVNG
 KPQNSSSQASATVASRPQCE

TRTRPLE - GFP Tag - V

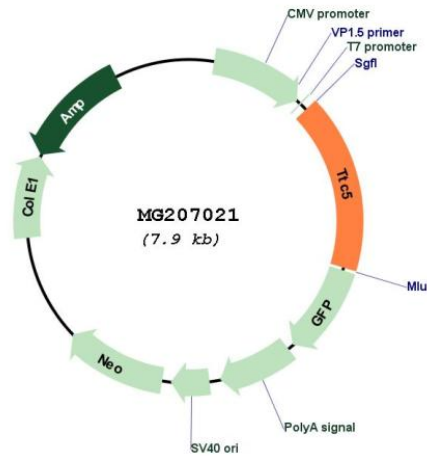
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001080949

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_001080949.1 , NP_001074418.1
RefSeq Size:	1841 bp
RefSeq ORF:	1323 bp
Locus ID:	219022
UniProt ID:	Q99LG4
Cytogenetics:	14 C1
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]