

Product datasheet for **RC208828**

TTC5 (NM_138376) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC5 (NM_138376) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TTC5
Synonyms:	Strap
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC208828 representing NM_138376
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATGGCTGATGAAGAGGAAGAAGTCAAGCCGATCTTGCAGAAATTGCAGGAACCTGGATCAGCTCT
 ACTCATTTTCGAGACTGCTATTTTCGAGACACATAGTGTGAGGATGCTGGGAGGAAGCAACAGGATGTGCA
 GAAGGAGATGGAGAAAACCTACAGCAGATGGAAGAAGTGTGGGTTCTGTCCAGGGCAAGGCACAAGTT
 CTAATGCTAACTGGGAAAGCACTAAATGTGACTCCTGACTATAGCCCTAAGGCTGAGGAGCTTCTGTCAA
 AGGCTGTGAAGCTGGAGCCCAGCTGGTGAAGCCTGGAACAGCTGGGTGAGGTGTACTGGAAAAAGG
 GGATGTTGCAGCTGCCACACCTGCTTCTCAGGAGCCCTACCCATTGCAGGAACAAAGTCTCCTTGCAA
 AACCTGTCAATGGTGCTTCGTCAGCTGCGGACTGACACTGAAGATGAACATTCTCACCATGTCATGGACA
 GTGTCCGACAGGCTAAGTTGGCTGTTGATGGATGTCCATGATGGCCGCTCCTGGTATATTCTTGGGAA
 TTCATATCTTTCCCTTACTTCTACTGGCCAGAACCCTAAGATCTCCAGCAAGCCCTCAGTGCCTAT
 GCCAAGCAGAGAAAGTTGACAGAAAAGCTTCTAGCAATCCTGACCTTCACTGAAACAGGGGACGTTGC
 ATAAATATGAAGAGAGTTATGGGAGGCCCTGGAGGGCTTCTCTCGGGCTGCAGCCCTGGACCCTGCCTG
 GCCAGAGCCCCGCAACGAGAGCAACAATTCTGGAATCCTGGATAGATTAACCAGCCTCCTTGAGAGT
 AAGGGAAGGTGAAGACCAAAAAGCTGCAGAGCATGCTGGGAAGCTTGCAGCCAGCCATCTAGGCCCTT
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 TCAGCCTGGGGTGAACAGCGGTGCCGTCATCCTGGAAAGGTGGTATTTAGCCTCACCACAGAGGAGAAA
 GTCCCCTTTACATTTGGCCTGGTAGATTGAGACTCTGTAGCCATTCCTGAGCCCAACCTGCGGCTTACCCGAATTCA
 GCACAAAGGAAAAGGACTATTCTTTCCAGTGTTCGAGTGGAGACGCCCTCCTGCTAGTGGTGAATGG
 AAGCCTCAGGGATCCAGCAGCCAGGCTGTTGCCACAGTGGCATCGCGACCACAGTGTGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208828 representing NM_138376
 Red=Cloning site Green=Tags(s)

MMADEEEVVKPIILQKLQELVDQLYSFRDCYFETHSVEDAGRKQQDVQKEMEKTLLQMEEVVGSVQGAQV
 LMLTGKALNVTPDYSPKAEELLKAVKLEPELVEAWNQLGEVYWKKGDVAAAHTCFSGALTHCRNKVSLQ
 NLSMVLRLRTDTEDEHSHHVMSVRQAKLAVQMDVHDGRSWYILGNSYLSLYFSTGQNPKISQQALSAY
 AQAEKVDKASSNPDLHLNRATLHKYEEESYGEALEGF SRAAALDPAWPEPRQREQQLLEFLDRLTSLLES
 KGKVKTKKLQSMGLRPAHLGPCSDGHYQSASGQKVTLELPLSTLQPGVNSGAVILGKVVVSLTTEEK
 VPFTFGLVDSGPCYAVMYNIIVQSWGVLIGDSVAIPEPNLRLHRIQHKGDYSFSSVRVETPLLLLVNG
 KPQSSSQAVATVASRPQCE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8113_h08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_138376

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:

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_138376.3](#)

RefSeq Size: 1881 bp

RefSeq ORF: 1323 bp

Locus ID: 91875

UniProt ID: [Q8N0Z6](#)

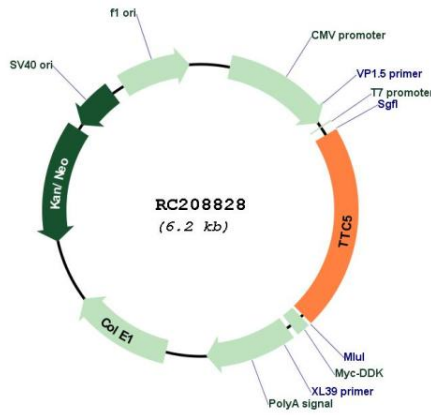
Cytogenetics: 14q11.2

Domains: TPR

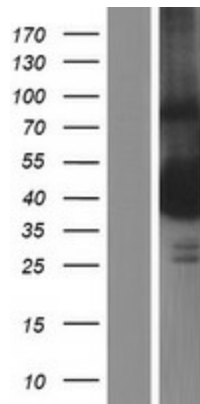
MW: 48.9 kDa

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]

Product images:



Circular map for RC208828



Western blot validation of overexpression lysate (Cat# [LY408643]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208828 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).