

Product datasheet for **MR216392**

Ttc16 (NM_177384) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc16 (NM_177384) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttc16
Synonyms:	1200002K10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR216392 representing NM_177384
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAGACAGAAGCAAGACTCAGAGAACTCCATCTGCCTCTAGCTCTAGAACGGGGTTATTAAGGAGC
 CTCACAGTGCCCGTTCCAGAAAACCTCAAAGCTAAAGGTTCTGAAGCCCAGAGAAGATCCTGCGACG
 CATCTTTGGGACCAGTCATGTGTTCTATGTTATGACAGATCCTACAAAACGAAGGATGATAGGATCAACA
 GTGCCTGCCAAAGTCAGAGAGTACTATAACCAAGGCCATCAGTGCCTCCTACAAGAGGACTGGGAGATGT
 CTGTGCTGTTCTTCTCCCGTGCCCTCCACCTGGACCCCAAAGTGGTAGACTTCTATGTATTCCGTGCTGA
 GGCCTTCATCCAACCTCTGTGACTTCTCCTCTGCCCTCCAGAACCTCCGCAGGGCCTACTCCTATGACCCA
 GGGAAACAAGTACCTGAACCGGCTGGCCTTTGTGCTCTACCTACAGGGTCAGTGCCTGTATGAGCTGT
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 TTACCGATGCATGGCCTGCCTGTGGCCCTCAAGCGGTATCAGACTGCCTCGCCCTCATCACTAGGGAG
 GTGAAGCAGGGCAGGGCCAGCGCTGATGTCTACATCCTCCGGGCTCGGCTCTACAACCTTCTCCAGAAGG
 CCAAGCTCTGCTATCAGGACCTTGAAGCGCCTTGTCTCTAGATCCCTTGACAGCACAGGCCAAAAGGGCT
 ACTCCAGAAGATGGTGGACCAGGCCAAGCAGTCTCTCAAAGATGCCAGCACCCCTGGCCGTGACGGCAAG
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 TCCGGGGCACCTTGCCTAGACGGCTCCAGCAATTTGACCATGTGTGGAAGACTTCTGAAGGCAATGGA
 CATGGTACTGACACCCAGGACAACCTAGTGAAGCAGGCGCAGCGTCAGCTGTGCTGACTTACAATGAC
 TTTGCTGTGACTGTACAACCATGGTGCCTATCAGGAGGGCGTGTGCTGCTGAACAAGGCTATCAGAG
 ACGAGAGAATGAGAAGGGCTTGTACATCAACCTGGGGATTGCTTCTTCCAGCTGGGCAACCTGGCCTT
 CGCGGAGGCTGACTACAAGCAAGCGCTGGCCCTGAGCCCGCTGGATGAAGGAGCCAACTTGCATGGGT
 GTGCTGCAGGAGAAGCTGGGCTTCTGCCAGCAGAAACACAGGCAGTTCAGACAGCAGAGGAGCACTTCT
 CGGAGGCCATAAGGCACAGCCCTCAGAAACCACAGTACTACCTGCACCGGGCCAAGTGCCGACAGTTCT
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 TGGCCAAGCTCCAGCTAAGTCGGATGATAGAAAATGGGCCGAAGAATCTACCCTCAGAGCACTGTGGT
 GCAGCGGTATTGGAACGCAGGAAAGCCCAAGTCTGGTGAAGCTCTGGAAGCAGGAACGTCTTGGGACC
 CCTGAAGAGGAAGTACTCTTTACCAGGCTCCGCAGCTGGCAGAGGAAAAAAGGTGAAAACCGCTCGCA
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 CAGCACGTCGGGGCCAGAGATGTCAACCAGTCAGGAGTATAAGAGCTCTCCACACGGCTATAGAATCC
 TCTGAGTCCACTGCTAAAGCCTCAGCTCTCAGTACCCAGGAAGAGCCAGGAAGTACCTGGAGCCCCA
 AGGTCTCCAGGCAGTCACAGAGAACCTAATCCAGAACGCCACTGAGGTACACCTGCCTATGGCCAAAG
 GGACTCCAAAAGGCCACCCAAGTCCAAAGCCCAAGAAGACAGAGGATCCCAAGGATCCTAGCCAGAGC
 ACCAGCACGACAGAAGCCCTGAGGGCCCAAGGCTAGCAAGTCCAGGTCTACCTGAGCGTAAAGGAGA
 GAATCAGAAGAGCTAAGGCTGTTTCGCGCCAGGGCTGAAAACCAAGGCCAGCGCAGCCAGCAAAAGT
 AACAAAGACTCCAGCCTGACCCACAGCACGACCCATAGTGACATTGGTGAGAGTGCCAAATGATACCCCG
 GGCCAGACTCCATGGCCAGCAAGGCTGTGATAGCTTAAGCTTCAAGTGTGAGATCTCGTCAACAGATCTCA
 GCAGTAGTGAAAGCTTCTTGAAGTACTAACCTTTAACTCAGGAAGTCCAACAGATCCAGGAGACAG
 AGAGAAGCTCACCTCTGACGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216392 representing NM_177384
Red=Cloning site Green=Tags(s)

MTDRSKTQRTPSASSSRTGLLKEPHSARSQKTPKLVPEAPEKILRRIFGTSHVFYVMTDPTKRRMIGST
VPAKVREYYNQGHQCLLQEDWEMSVLFFSRALHLDPKLVDFYVFRAEAFIQLCDFSSALQNLRRAYSYP
GNNKYLNRALFVLYLQGQCLYELCDFQEALCVFLQASDLQPQNASFSYRCMAELLALKRYHDCLALITRE
VKQGRASADVILRRLYNFFQKAKLCYQDLRSALLDPLHAQAKGLLQKMVDQAKQSLQDASTLAVQGK
VHRALKCINCAIENNPLDPNFFFRRGTLRRRLQQFDHAVEDFLKAMDMDTQDNLVKQAQRQLLTYND
FAVHCYNHGAYQEGVLLLNKAIRDEQNEKGLYINRGDCFFQLGNLAF AEADYKQALAL SPLDEGANLRMG
VLQEKLGFQKQHRQFQTAEHFSEAIRHSPQKPQYYLHRAKCRQFLQNTLGARLDVATVLLLNPEYPKM
AAMNTLFPMTVENVLKSQVAELAKLQLSRMIENGPKNIYPQSTVVQRLLERRKAQVLVKLWKQERLGT
PEEEVTLYQAPQLAEKVKTARRRSTL TDSYADQTSSGSVFSIVSISTSGPEMSTSQEYKSSSHTAIES
SESTLLKPQLSVPRKSQELTWSPKVVQAVTENLIQNATEVTPAYGQRDSKKATQVPKPKKTEDPKDPSQS
TSTTEAPEGPRPSKSRSTLSVKERIRRAKAVRAQGWLKAQRSSQKVTKTPSLTHSTTHSDIGESANDTP
GQTPWPSKAADSLSFSEISSTDLSSSESFLEL TNLLTQEVQQIPGDREKLTSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9100_b07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_177384

ORF Size: 2472 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_177384.3](#), [NP_796358.2](#)

RefSeq Size: 2938 bp

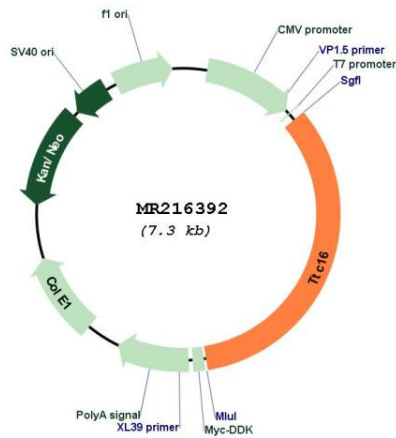
RefSeq ORF: 2475 bp

Locus ID: 338348

Cytogenetics: 2 B

MW: 93.3 kDa

Product images:



Circular map for MR216392