

Product datasheet for **MC203118**

Tti2 (NM_144927) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tti2 (NM_144927) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tti2
Synonyms:	MGC28346
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC019943
 TCGACCCACGCGTCCGATTACAGCCACTTTACTGGGTGGATTGCACTCGATCCTTGCCTCAAGACAGTG
 AGACATCTCGCCTTTTAGCTGTGCCTGGTTTTAGTTCTGTTTCGTTGGGGGACACCCGAGCCCCGGACGACC
 TTCCCTCCGAGACTCCAGACACCATCCCCATTTGGTCTCTGTCCCCCCCCGGGGGGGGCGGGGGGGGGC
 AGCCCAGCCCCCTCCGGTGCAGTACAGAAATGAAGCTGGACAGTGCCGAAGAGAAGTCGGGGGTCCGCTGCT
 CCCTGCCTGCAGAGGGCTCTCCCCGGCCCTCGAACAGCCTTCCAAGATTCTGAACCGTCTCAGCCG
 CCCAAAGTCATCAGGACAGGGCGCGCAAGAAATGCGGCTCTTAAAGACCTCGGGCTTTAATAGAAGCC
 GCCGAAGGTGACAGATTCTTTGAGGGGAGTGGGAGTGGGGATCCCTCCGGGGGATGCCCGAGATCCTGG
 GGCAGGTGGTGAGAGCCCTGGAGAAGTTCGACAGACCCGAGGAGAAGGCAGATGGGGTCCGAGAGCCTCC
 CGAAGTGCCCGAGAAGGCGACTGAAGTTGGCTCACTGTTTCTAAAGCTGTTGGGAAGGTTGAAGCTGCC
 AAGAGTTCTCCGACTGCCCTGCGTGGAAGACAGGCCTCCGTCACATGTCAGGACCCGTGTATATTTTTG
 CCATCACTCACAGATTGAAGCAGCCATGGACCAGTCCAGCATCTCAGCATGTTGCTGGTGAGGTGCTGTC
 TTTATTGCTTAGAGTTACTGAGTGCAGTCTGTGGCAGGATTCCTATGCGGAGAAAATGAAGACGATCGA
 GGGAGATTTGCTGTGGTCTTGGGGCTTCTAAGCCCCATTTGAATAAGGAAACCTGGAAGAAGAATCCTG
 CTGTCAAACATGTTTTCTCGTGGACTCTCCAACAAGTCACTCAGCCCTGGCTGAATCAGCATCTAGAAAA
 GATACTTCTCCGCTTTGCTCATCTCAGATGACTATCAGACAGAGAATAAAATCCTGGGTGCCAGTGC
 CTCCATCACATTGTGGTACTGTGCCAGCTGCGGACTTGTGCAGTATAACAGAGCCAGGTCTGTACC
 ACGCCCTCTTCAATCACCTGTACATGCCTGAGCACCACCTCATTAGGCTGTGCTCCTGTGCCTCCTAGA
 CTTGTTCCCTGTCTAGAGAAGGCTCTGCACTGGAAGGGAGACACAGCTCGAGTCAACACACTGTCAT
 GAAGTGTACAGCTGATCCTCACGCACATGGAACCAGAGCACCCTCCTCCTACGGAGGACCTATGCCA
 GACACCTGCCAGCCTTCGTGAAGAGGTTGGGGATCCTAACTGTCCGGCACTTGAAGAGGCTGGAGCAAGT
 TATCCTTGTTATCTGGAGGTTTATGATGAACCAGAAGATGAACTAGGTTGAAGATCCTGGAACCCCTG
 AAACCTGTATGCAGTATACTTGGCCAGAATCCCTGCAGAGTTGTGGTCTTACTGAAGGCTCTCCTGA
 AAATCATATGTGATATATCGAGGGATACGATCCCCACAACCGAGGCCGCTAAGAGTACAATGCTCCAGGA
 AGCCACAGACTGCCTGATTCTCCTGGACCACTGTTCCAGGGGCAGGTGAAGGCTTCTGGCTAAAATT
 GCAGTATCCTGTGAAGACAGCACAGTGGTGAAGTGCATCAGGAAGGTGCAGCAGGGCTCTGCAGATTCTC
 CTGGCGATGACTGAAGGTGACTAACCAGCAGGAAAGGCCGCTCTCCTATCCAGATCACATGGATGG
 AGTTATGGGGTAAAAATCTATTTTTGTATTAATAATTATAAGTTGAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_144927

Insert Size: 1539 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [BC019943](#), [AAH19943](#)

RefSeq Size: 1881 bp

RefSeq ORF: 1539 bp

Locus ID: 234138

UniProt ID: [Q8BGV4](#)

Cytogenetics: 8 A3

Gene Summary: Regulator of the DNA damage response (DDR). Part of the TTT complex that is required to stabilize protein levels of the phosphatidylinositol 3-kinase-related protein kinase (PIKK) family proteins. The TTT complex is involved in the cellular resistance to DNA damage stresses, like ionizing radiation (IR), ultraviolet (UV) and mitomycin C (MMC). Together with the TTT complex and HSP90 may participate in the proper folding of newly synthesized PIKKs (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) encodes the shorter protein (isoform a).