

Product datasheet for **RN206442**

Tti2 (NM_001013883) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tti2 (NM_001013883) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tti2
Synonyms:	RGD1310414
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206442 representing NM_001013883
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGCTTGGCAGCACCGAAGAGAAGTCGGGGGCGGCTGCTCCCTGCCTACAGAGGTGTCTCCCCGG
CCCTCCAACAAGCCTTTTCCAAGATTCTGCACGGTCTCAGCCGCAAGAGTCATCAGGACAAGGCAACGC
AGGAAATGCCGCTCTAAGAGACCTCGGTGCTTTAATAGAAGCCACCGAATGTGACAAATTTTGGGGG
ACTGGGGTGGTGGATCCCCCGGGAGATGCCCGAGATCCTGGGACAGGTGGCGAAAGCCCTGGAGAAGT
TCGCAGCACCCAAGGAGAAGGCAGATGGAAGCGAAGAACATCCCGAAGTCCCGAGAAGGCAACTGAGGT
TGGGTTACTATTTCTTAAGCTGTTGGGGAAGGTTGAAACTGCTAAGAGTTCTCCCGTCTGCCCTGCATGG
AAGACAGGCCCTCCGCCACTTGTCCAGGACCCACGTATATTTTTGCCATCACACAGATTGAAGCAGCCAT
GGACCAGTCCGAAATCTCAGCATGTTGCTGGTGGTGTCTTTACTGTTTCGTGTTACTGAGTGCAG
TTCTGTGGCAGAATTCCTATGCGGAGAAAACAAGATGATCGGGGGAGATTTCGCTGTGGTCTTGGGGCTT
CTTAAGCCCCACTTGAATAAGGAAACCTGGAAGAAGAATCCTGCTGTCAAACATGTTTTCTCATGGACTC
TCCAACAAGTCACTCAGCCCTGGCTGAGCCAGCATCTAGAAAAGATACTTCCCCCATCTTTGCTCATCTC
AGATGATTATCAGACGGACAATAAGGTCCTGGGTGCCAGTGCCTCCATCACATTGTGATTAATGTGCCA
GCCGCTGACCTGCTGCAGTACAACAGAGCCAGGTCTGTACCATGCTCTTTCAATCACCTGTACATGC
CAGAGCACCGCCTCATTAGGCTGTGCTCCTGTGTCTCTTAGATTTATCCCTGTCTAGAGAAAGCGCT
GCACTGGCAGGGAGAAGCCGCTCGAGCCTCTACACACTGTCACGAGGTGCTACAAGTGGTCTCACGCAC
ATGGAGTCAGAGCACCGCCTTCTCCTCCGTAGGACTTACGCCAGGAACCTGCCGGCCTTTGTGAAGAAGT
TGGGGATCCTAACCGCCCGGCCTTGAAGAGGCTGGAGCAAGTTATCCTTGGTTACCTGGAGGTTTATGA
TGAACCGGAAGATGAAAGCAGGCTGAAGATACTGGAAACCTGAAACTTGTGATGCAGTACACTTGGCCC
AGAATTCCTGCAGAGTTGGTCTTACTGAAGGCTCTCCTGAAACTGATATGTGATATAGCCAGGGACA
CGATCCCCACAAGTGGGCTGCTAAGAGTGCAGGCTCCAGGAAGCCACAGACTGCCTGATTCTCCTGGA
CCACTGTTCTCAGGGCAGGTGAAGGCTTCTGGCTAACATCGCCCTGTCTGTGACGACAGCACAGTGC
GTGAGTGCATCAGGAAGGTGCAGGCTCTGCAGAGGCTCCCGCGAGGACCTGGAGATGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001013883

Insert Size: 1536 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: [NM_001013883.1](#), [NP_001013905.1](#)

RefSeq Size: 1946 bp

RefSeq ORF: 1536 bp

Locus ID: 290811

UniProt ID: [Q66H56](#)

Cytogenetics: 16q12.3

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]