

## Product datasheet for **MC216975**

### **Tcte1 (NM\_013688) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tcte1 (NM_013688) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tcte1
Synonyms:	D17Sil1; Tcte-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216975 representing NM\_013688  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCAGGAAACCCATCAGTACCGTCCAACCTTCGTCACAGCCAGTCGGTTCTACCATCCAGCGCC  
AGGTCTCTGCCTTGGGCAGCTCCAGCACAGGACCCACGTCTTGAAGACCAGCAGCACCCCTACCCAGG  
CCAGCTGAAGACCAAGGTCCCAAATGTCGTCGTCATGCGCAGGATCATCTCCGAGGATGCAGAGTGGTCA  
CTGGCCATCGTACCTCTCCTTACAGAACTCTGCATTCAACATATCGTCAAGAACTCCAGAAACCCCTA  
TCCTGAAGCAGCTGCCGCTAGAGCACAAAAGAAGGTCTTGAGCAACCTGCCCCCGAGCTGCCTTTGAC  
GGTGACCCTAACTTGATTGACGATGAGAATTACTGGCACCGCTGCTGCATCAAGCGCTGGTCCGTGTGC  
CACGTGTCCAGGCACGGCGCAGCTGGAAGCGTATGTTCTTCGAGAGACACCTGGAGAACCTGCTGAAGC  
TATTCATCCCGGGGACCACGGACCCCAACGTGATCCTGGACCTGCTGCCCTCTGCAGGAACTACGTGCC  
CCGATTATGTGGACCAGTTCTCCACCTGTGCGGATGCCGACCCGCTCCAGGGAGAGGAACAGTCCG  
GACTCTGGCAGTGAGGGCGAGGGGAGCGAGCCAGAGAAGGACCACTACCAGCTGCAGACGCTGGTGGGTG  
GCCTCAAACACCTGGAGGAGCTGGACCTGGTGTACGGCGTCAAAGACTGTGGCATGAATTTTGAGTGAA  
CCTCTTTCTTTACCTACCGAGACTGCTACTCTTGGCAGCCACCATCAAAGCTTGCCACACCCTCAAG  
ATCTTCAAGCTGACCCGAAGTAAGGTGGACGACGATAAGGCGCGCATCCTAATCCGTAGCCTGCTGGACC  
ACCCAGCCCTGGAGGAGCTGGACTTATCCCAACCTCATCGGAGACCGTGGTGCACGAGCAGCGGCTAA  
GCTGCTGAGCCACAGTCGCTGAGAGTGCTCAACCTGGCCAACAATCAACTGCAGGCGCTGGCGCACAG  
TCACTGGCTCACGCACTGGCACACAACCAACCTGGTCTTCTCAACCTCCGCCTCAACTGTATCGAGG  
ACGAGGGTGGCCAAGCAATCGCCACGCCCTGGAGACCAACAAGTGCCTCTCCGTGCTGCACCTTGGTGG  
CAACAAGCTGTCTGAGCCACAGCCACACTCCTCTCCAGATGCTCACTGTCAACACTACGCTCGTCAGC  
CTCAACCTATCCTGCAACCACATTGGGCAGGATGGTGGGAAGCAACTCCTGGAAGGCATATCAGACAACA  
AGACCATTCTAGAGTTCGACCTGCGACTGTGAGATGTATCCAGGAGAGCGAGTACCTCATTGGCCAGGT  
TCTGCATGCCAACCGAGAGGCTGCCCGCCAGCGGACCCTGAATCCTGGCCACTTCTCCTACCCACTAAC  
AACTGTACTGAGAATTCTGTAGCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_013688

**Insert Size:** 1497 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\\_013688.2](#), [NP\\_038716.2](#)

**RefSeq Size:** 3074 bp

**RefSeq ORF:** 1497 bp

**Locus ID:** 21645

**UniProt ID:** [A6H639](#)

**Cytogenetics:** 17 22.54 cM

**Gene Summary:** Component of the nexin-dynein regulatory complex (N-DRC) a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes. May play a role in the assembly of N-DRC (By similarity). Required for sperm motility (PubMed:28630322).[UniProtKB/Swiss-Prot Function]