

## Product datasheet for **RN200144**

### Tdrd5 (NM\_001134739) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tdrd5 (NM\_001134739) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tdrd5  
**Synonyms:** MGC188201  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN200144 representing NM\_001134739  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGTCTGAGCAAGAGCGCATACAGGACTGTCTGAGGAAAGAGATACGGTCTCTTCTTATTTCCACTAAAG  
ATGGTTTGACTCCACAACAGCTGAAAAGGAGTACCTATTGATGGTTGGCAACCATCTACCCCTCCGAAT  
CCTTGGCTATCGGTCCACTATGGAAGTGGTGGATATGCCTGATGTGGTTAGTGTCTGCCCTGTGGG  
GATGGTACCGTAATATTGAAAGCCATTCCAGATGAATCCACAAAGGAATAGCAAGTTTGGTTGCAAAGC  
AGAGAAGGAGCCATAAGGTCCGAAACTCCATGCAAAAAGGGAAGAAGCAGCGTTTCTCCGGCCGCGTGCC  
TTACCGCGGAAGGGTGCCCTATTCTCCCGCAGTAGTGAAGAGTGAGTTGAAAGACCTTTTGGCATTG  
TCTCCTGTTCTCTTTCTGACTTTGAAAAGGCATTTGCCAGGCGTTTCGGACGATCCTTTTCAGTATATGC  
AGTATGGATTCTCTCTATGTTTGAAGTGCTGAGTGCTGCTTCGGATGTCATTTGTGTAGAGCAGACCAG  
AGCAGGTTCTCTGTTGACACTAAAAAGAGTGATCAGAGGAAAAGCAGAGAGAATGGCCAGCAGGTA  
ATTTTACTCAGCCGTTTGAATGAAACAACAGGGTGCATCTACAGGATCCAGTCACGAAGACAC  
GCTTTTACAACCCATTTCCAATATGGAGCCCCAAAGCAAGTACTGAGCATGGAGAAGATACCCATGTT  
TAACACAGTGGAGGCTTCAAGGCTTAGCCACACTGAAAAATTAACCAGTTGGAGAGCACATTCAAATCA  
GTAATTGCACAAATTGGACCTGGAGGAAGTGTGATCCAGACCTAAAGCACAAAGATAAAATTTGTCGTGT  
CTAAGTTTCCACAAGGCTTGTTCATTTCTAAACTGCTTGGCGAGTTTGTAGCTAGTTTTTAAAGAACA  
TTCACCAAAACAAGGTTCTTAAACGTGACAGAACTTGTGGCGCTCTCAGTGACATTCTCCGAGTT  
GAGTTCAGTGAAGAAAAGCAAGACTTGCTTGTGTTTGTGCTGACCTGAGACCTGCTACCTGCTGGAC  
CGCTTTCATCAGTCAGAAATTCGTGTCTAGTTCAACCAGACAAGAGAATAGAAGTAACCGTGGCCTC  
CAGTCCCTCTAGAAATCACTATCCACTGTAGCAGTTAAGAAGACCACATGGGATTGCCCTTTGAAGA  
CACAAAGGAGGAGCAGAGCAGAAGGCTACAAGAAGCCTAATCTTGTGGTGAAGCCTTGCAGCTGCAAGT  
AAACAAACAAATCCCAGCTGAGCTTGTGATGGCAAACACGATATCCCACAGATGCTGTGCGTGTAA  
GAAGCTGTGCCGACTCCACCGCTAGACACCAGCACCTCGTGGGGTCTTCGTGGAGTACATAATCTCT  
CCGAGCCAGTTTACGTCGCATCTACAGCAGAGACTCGTCGGAATTGCTTGAAGACATGATGATTGAAA



[View online »](#)

TGCGGCGCTGTTACTCTAACCAGCTGGTTTCTGATCGGTATGTTATGCCAGAATACTTTATCCAGCCAGG  
 ACATCTGTGCTGTGCAGGATCTCTGAGGACAAGTGGTGGTACCGGGTATTATCCATCGAATCCTTGGG  
 AAAAAGGAGGTTGAAGTGTCTACCCGGATTCGGAAATATAGGAACGGTGCAGAAGTCCTCGTGAGGT  
 TCCTCAAATGCTGCTACACGAAGCTTCCAGCTCAGGCCATCCCTTGTCTTTGGCGTGGGTGAGGCCGGC  
 AGAGGAACACTGGACATCCAAAGCTATATTGCACCTCCAGAACTGTGTGGTTGAAGCCATTAGTGGGT  
 GTGGTGGATGAGTACATAGACGGAATCCTTAATATCTTTCTTTGTGATACGTCCTCAAATGAAGATGTCT  
 ATTTTCATCACGCTTTGAGGACAGAAGGCCATGCTATTGTGTGCCGAGAAAACGCCCCATCCAAGGGCTT  
 CAGGGACTTCAACCCACCAGCACTGTACACTAACTCGAGCGCAGCGCCGGGCGACATGGTCTGACCAG  
 CTGGGACATCCCCTCAGCAGCACTATTTGAACGAAGACGGGAGATCCTGCAGCAACCCAGCAAGATA  
 TTAATGACGAGAAGTCTATAAGTCACCTTAAATCTGTATCTGAGGAATTATAAAGGATTCTAAATTGGG  
 TCCATTGAAAACCCGGGAGAGCTGTGAAGAGGACCCACAGTGGTCCATCCTGAAGCCAAAGGATCCGAAG  
 GAAGAGAATGAGGATGAGGTCCCTACTGGAATGCCATGCCTGGAGTCAGTGACCATCGGTGATGACATTT  
 GGGATGAGAATGGCTTCTCTACAGGCCAAAATGGGGAAGGCAGGGGGTCTGCCTCCCATCTATTTAC  
 GTCAAGCCTTGTGGGAAGAAACAGTATCAGACACGTGGAGAACTACACGAAAGGACTGGTGTITTTCA  
 ACATCTAAAGATATATGGGATGATTCTTGGCAGCCCTTAGGCCTGGCAAACGATGTGAAAGGAAGAACTC  
 ACACACCAGAAGGGCCATTGCTCAAGAAAAAATATTGGCACACCCGAATTCGAAAGCAGCCAGATTT  
 ACAGTATCCTTTGGATTCTTCCACACTGCCAACTGGAAGAGTTCTACATCTCTCTGATCAAGTCACAG  
 CAGTCAGCAGAAGGCAGCCAGTCTGAACCTGCCAGCATTAGACTCCGCTTAAACCCGGGAGGGCTCT  
 CAACAGCACCCAGCTCAACCCCTGCGGCGGGGACTCTCCAGAAAACCACTCCGGCTCTGTGGAGAGCTC  
 TCCAGGGAGCCTAAAGAATGAAGATTTTCTAATAGCCATGCTGATGCGGTAGTCAAGGACAAGAGCCAA  
 GGAGCCATAGACCAGCTCTTTTCATTTGTCCCCCAGCACCAGATTTCTCAGAAGCTTACATTCCTC  
 GAAGTACAGCCACGGCTGTCTTGGGAGCAGTGCAGCGTTAGCCACGTCCAGGAGCCTCCTGCACGTGTA  
 CCCAGTGTGAAAGGAGGAAGCTTGGGGACAAGAGGCAGAGAGATGGGGTGAAGTAG

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-RsrII

**ACCN:**

NM\_001134739

**Insert Size:**

3141 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\_001134739.1, NP\_001128211.1

**RefSeq Size:**

3393 bp

**RefSeq ORF:**

3141 bp

**Locus ID:** 289129

**Cytogenetics:** 13q22

**Gene Summary:** This gene encodes a member of the tudor domain-containing protein family. Tudor domain-containing proteins regulate a variety of processes including RNA metabolism, histone modification, and the DNA damage response. The tudor domain commonly functions to link methylated arginine or lysine marks to downstream effector proteins. In mouse, this gene is expressed in the primordial germ cells and in male germ cells during embryogenesis. In addition, it is expressed in adult testis cells where the protein is a component of the intermitochondrial cement and chromatoid bodies. Loss-of-function mutations in mouse result in arrest of spermatogenesis. [provided by RefSeq, Mar 2015]