

Product datasheet for **MC203745**

Tdrd3 (NM_172605) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tdrd3 (NM_172605) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tdrd3
Synonyms:	4732418C03Rik; 6720468N18
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC005670
 TTTTCTTTCTTTCTTTCTTTTTTCCCCTCTTTCTTTCTTTTTCTTTTTCTGGGTCTCCAGTAGGAGG
 CCCGTCCCCACCCTCAGTTCAGACCCCGCCGTCGCCGAGCCTGAGCAGCTAACCATGGCCGAGGTGTC
 CGGCGCCGCGTTGTCCCAGGCGGGTTGGTACCTTTCAGATGAAGGCGTTGAAGCTGCACAAGCTCTCCT
 GGGAAAGGCAGCATAAATGACATCATCTGATTGCTCTCAATACAGATTTGAGAACAATTGGCAAGAAGT
 TCCTTCCCAGTGACATCAACGGTGGAAAGGTAGAGAAGCTTGAAGTCCATGTGTCTTACAAATTCAGAA
 GGTCCGCAATGTTGCTGCGCCAAAGGATAACGAGGAATCGCAAGCTGCCCAAGGATGCTCCGCGTGCAG
 ATGACGGATGGGCATACAAGTTGTACGGCAGTAGAATTCAGTTATATTTCAAAAATAAGCCTGAACACAC
 CACCTGGCACAAAAGTGAAGCTCTCTGGCACTGTGGACATAAAGAACGGATTCTGCTCTTAAGTACTC
 TAACACCACAGTCTTGGTGGTGAAGTGGAAACACCTAATTGACAAGTGGGCTTTACAGAGAAGCTTATTA
 AAGCATAACAGAAGCAATATTGGAGCTGAAGGTGGCCACCTCTTTTCTACCTTTTGGGCAGAAGTGTG
 CATCTAATGTCCAAGTGGATAGCAGAGAGCTTGATCGAAGAAAGACATTACAAGTTTCCCTGCCTGCCAA
 GCCTGCAAATGATAATGATGAATTTGAAAAGCAAAGAAGTCTGCCATTGCAGAGGTTGCAAAGAGCAAA
 GAGACCAAGACATTTGGAGGAGGTGGAGTGGTCCAGAAGTAACTCAATATTGGTGTCTGTGCTCACC
 GAAATAGGGAGGTTTTACAGAAGAAAAGGCTTCCAAGTCAGAGAGCAAGAACGAAGGTGTCTATAGAGA
 ATTTGGTTGATGAGAAAGCCCTGAAACACATAACAGAAATGGGCTTCAGTAAGGAGGCTTCGAGGCCAAGCG
 CTGATGGATAATGCCAACAACTAGAAGCAGCACTGAATGTCTTCTGAACAGCAGTAAACAGAAGCCTG
 CTGTGGGCCCTCTGCTAGAGGAAGAGGGAAAAGGCAGGGTTCGAGGACGATCAGAAGACGAGGAAGACCT
 GGAACCCGAAGACCATCAGCACCACAGCACGTTATTTGATTTCTTGGAGTCTAAAATGGGAAGTCTGAAT
 GTGGAAGAACCTAAGTCACAGCCACAGCACCTTCATCAAGGACAGCACAGAGGATGGAATGCCGAGCAAA
 ATGGGATGAAGGACGGCAGTCAGTCAAGACATCTTCTCGAAACGATACCAGGCAGCCAAGAAATGAGAG
 GCCACCTCGCTTTCAAAAAGACACCCCAACTTCCAAGTCAACTGTAGAAAACAGCGTATTATCTAGAAAT
 AGAGGCTCCGAAAGGCCGAGTAGTTCTCAGGTTCTGATGTGTGGCAGAAGAGAGGATCAGGTGTGACA
 GGCCATATTCTAGGTATGACAGAACTAAAGACGCTTACATCCTTAGGCTTTACGACACAACGATGGTGC
 TTTTAAAAAGAGAGAGAAGTCTATGCAAAAACAGACCAGGAAGAGGCCCTTTGTATGCAGAGGCCAAAGAA
 AACCCACTTCTCCAGAATTCGTAGATTACAATAATCAAAGACGTGGGAGAAGAGAAAACCAAACAGGTC
 ATCCTGATCACTGTTATGAGAGGAAACCACGGACAATGAATAGTGAAGCTTTTAGTGGTCTAAAAATTGA
 GAAACATTTTAGTGAACACTGATTACCCGAGTCTGTGCAGAGCAATAGTCTTGGTGTCCAAATGGA
 GAGACAGTCCGCTCTGAAAGGAAGGCGGTAGGACCGATTAAGTCAGCAGGACCTGTCACAGCTGTGC
 CCTACGATGATAAAATATTTTATAATAGTGGGCCAAAAGAAGGCTGGGCCAATTAAGCCTGAAAAGGT
 GATAGAATCATCTATTCCTGTGGAGTATGCAAAAGTGTGGAACCTGGCGATGAATGTTTTGCATTTAT
 TGGGAAGACAACAAGTTTTACCGAGCAGAAGTTGAAGCCTTGCATTCTTCGGGTATGACAGCGGTGTTA
 AGTTCACGGACTACGGCAACTATGAAGAGGTGCTACTGAGCAATATCAAGCCTGTTACAGACAGAGGCATG
 GGAAGAAGAAGGCACCTATGATCACACCATTGAGTTTCGACAGAGGAGGTGATGGACAGCCACGAAGGTCT
 ACTCGGCCAACGCAGCAGTTTTACCAACCTCCTCGAGCTCGGAACATATGTGAAAGGGCTTTTGTGAAGG
 AAGAGCCACTGACTGAAACATCTGGAAGCCACTGATAGATTTTCCACTTCTTCAGAGAGAGACTCAAT
 ATGCTGGATATGATTTTTGGAGAAAGAAAAAGAGGCAGATATTAGGGAACGATTCAATTTACACAAGG
 CAATGGGGGAAATACTGAGTTCGATAGAGCAAAATATCTTACAAGTGGAAAACCTCTGCCATCAATAA
 AAGCATTGCATTGTTATATAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_172605
- Insert Size:** 1953 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: [BC005670](#), [AAH05670](#)

RefSeq Size: 2625 bp

RefSeq ORF: 1953 bp

Locus ID: 219249

UniProt ID: [Q91W18](#)

Cytogenetics: 14 E1

Gene Summary: Scaffolding protein that specifically recognizes and binds dimethylarginine-containing proteins. In nucleus, acts as a coactivator: recognizes and binds asymmetric dimethylation on the core histone tails associated with transcriptional activation (H3R17me2a and H4R3me2a) and recruits proteins at these arginine-methylated loci. In cytoplasm, may play a role in the assembly and/or disassembly of mRNA stress granules and in the regulation of translation of target mRNAs by binding Arg/Gly-rich motifs (GAR) in dimethylarginine-containing proteins (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer isoform (1).