

Product datasheet for **RN207944**

Tdrd3 (NM_001012043) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tdrd3 (NM_001012043) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tdrd3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN207944 representing NM_001012043
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGCGTGTGCAGATGACGGACGGGCACACGAGTTGTAAGTGCAGTAGAATTCAGTTACATTTCAAAGA
 TAAGCCTGAACACACCACCTGGCACAAAAGTGAAGCTCTCCGGCACTGTGGACATAAAGAACGGATTCTCT
 GCTGTTAAGTGACTCTAATACCACAGTTCTTGGTGGTGAAGTGGAAACACCTAATTGACAAGTGGCGGTTA
 CAGAGAAGCTTACTAAAACACAACAAGAACAATATTGGAGCTGAAGTGGCCCGCTCTTTTTTACCTT
 TCGGACAGAAATGTGCATCTACTGTCCAAGTGGATAGCAGAGAATTGATCGAAGAAAGACATTACAAGT
 TTCATTGCCTGCCAAACCTACAAATGATAATGATGAGTTTGAAGCAAAAGGACTGCTGCCATTGCAGAG
 GTCGCAAGAGCAAGAGACCAAGACATTTGGAGGAGTGGAGTGGAGTGAAGTGCATCTCAATATTG
 GTGCTGGCGGGCACCGAAATCGGGAGTTTACAGAAAGGAAAGGCTTCCAAGTCAAGAGCAAAAATGA
 AGGTGTCTATAGAGAAGTGGTTGATGAGAAAGCGCTGAAGCACATAACGGAAATGGGCTTCAAGTAAAGGAG
 GCGTCGAGGCAAGCACTGATGGATAATGCCAACACCTAGAGGCAGCCTTGAACGTAATTCTGAACAGCA
 GTAACAGAAAGCCTGTCGTGGTCTCTCCAGAGGTAGAGGAAAGGCAAGGGGCGAGTACGATCAGA
 AGATGAAGAAGACCTAGGAAACGCAAGACCGTCAGCACCAAGCACATTATTTGATTTCTTGGAGTCTAAA
 ATGGGAAGTCTGAATATGGAAGAAGCTAGGTACAGCCACAGCACCTTTTCAAGGACAGCACAGAGTAT
 CGAATACTGAGCAAAATGGGATAAAGGATGGCAATCAATCAAGACATCTTCTCGAAACGACCCCAAGGCA
 GCCGAGAAATGAGAAACCTCTCGCTTTCAAAGAGACACCCCAATTTGAAGTCAAGCCTTAGAAAACAGC
 GTATTACTAGAAATAGAGGCTCCGAAAGACCAAGCAGTCTTCCAGGTTCTGATGTGGGCAGAAGAGA
 GGATCAAGTGTGATAGGCCGATTCTAGATATGACAGAATAAAGACGCTTCGTATCCTTTAGGTTTTCA
 GCACAATGATGGTGTCTTTAAAAGGAGAGATAACTCTATGCAAAACAGATCAGGAAGAGGCCCGTTGTAT
 GCAGAGGCAAAAGAAAACCCACATCCTTCAAGATTTGTAGATTATAATAATCAAAAACGTTGGAAAAGAG
 AAAACCAACAGTAATCCTGATCATTTTTATGACAGGAAATCACGAACAATGAATAGTGAAGCGTTTAG
 TGGTCTAAAAATGAAAAACATTTTGTGCAAAATCTGATTATCAGAAATCCTGTCCAAAGTAAATAGTTTT
 GTTGGTGTCCAAATGGAGAAACAGATATGCCTATGAAAGGAAGACGAGTAGGACCAATTAAGCCAGCAG
 GACCTGTCACAGCTGTGCCCTACGATGATAAAATATTTTATAATAGTGGGCCAAAAGAAGATCTGGGCC
 AATTAAGCCTGAAAAGGTGATAGAATCATCTATCCTGTGGAGTATGCAAAAATGTGAAACCTGGAGAT
 GAATGTTTTGACTTTATTGGGAAGACAACAAGTTTTACCGAGCAGAAGTTGAAGCCTGCATTCTCGG
 GCATGACAGCGGTTGTGAAGTTCACGGACTACGGAACACTCGAAGAGGTGCTTCTAAGCAACATCAAGCC
 TGTTCAAGCAGAGGCATGGGAAGAAGAGGGTACCTATGATCACACCATTGAGTTCGGAGAGGGGTGAC
 GGACAGCCTCGAAGGTCCACTCGGCCAACACAGCAGTTTTACCAGCCTCCTCGAGCTCGGAAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001012043

Insert Size: 1956 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_001012043.1](#), [NP_001012043.1](#)

RefSeq Size: 2660 bp

RefSeq ORF: 1956 bp

Locus ID: 306066

UniProt ID: [Q66HC1](#)

Cytogenetics: 15q12

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]