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Product datasheet for MC224372

Tdrd9 (NM_029056) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tdrd9 (NM_029056) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tdrd9
Synonyms:	4930441E05Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224372 representing NM_029056 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTTGCGCAAGCTCACGGTCGACCAGATAAATGACTGGTTCACCATCGGCAAGACGGTGACCAATGTGG AGCTTCTGGGCTTGCCACCCGCCTTCCCTGCGGAGGCGCCCCGGGAGGAGGTACAGCGCTCGGAGGAGGT CCCCAATGAGGATCCTACGGCCCAGGCCCAGGTTCCAGTTAAGGCCACAGCACCGGCCAGACCAGCTTCA ACCTCCGGGAGGTCACTCAGTCAGAGGAGCTCAGAAATGGAGTATATTAACAAATACAGACAACTTGAAG AACAAGAACTTGATATTTATGGCCAGGATCAGCCACCCAGTGGACCAGGTCTGAGGTCACCATTGGCTAA GTTAAGTAATGTGGCATGCATCCCAGAGACAACTTATAAATATCCTGATTTGCCTATAAATCGGTGTAAA GAAGAGGTCATTTCCTTGATAGAAAGCAATTCTGTGGTGATCATACACGGTGCCACAGGAAGCGGCAAGA GCACACAGCTCCCACAGTACGTGCTAGACCACTACACCCAGCGCTCTGCCTTCTGCAACATCGTAGTCAC CCAGCCGCGGAAGATAGGGGCCAGCAGCATTGCCAGGTGGATCAGTAAGGAGCGTTCCTGGACGCTGGGT GGCTTGGTAGGCTATCAGGTAGGGCTGGAGAAAATCGCAACAGAAGACACTAGGTTAATTTACATGACCA CTGGAGTCCTGCTTCAGAAAATTGTAAGTGCCAAGAGCCTGATGGAGTTCACGCACATCTTCATTGACGA GGTGCATGAACGGACCGAGGAGATGGATTTCCTGCTCTTGGTCGTCCGTAAACTCTTGAGGACAAATTCA CGGTTTGTGAAGGTGGTCCTCATGTCTGCCACCATCAACTGCAAGCAGTTTGCAGACTACTTTGCTGTTC CCGTTCAGAACAAGATGAACCCGGCATATGTTTTTGAAGTGGAAGGCAAGCCCCACGCTATTGAAGAGTA TTACCTTAATGACTTGGGGCACATTTATCATAGTGGGCTTCCCTACCGTCTGGAGGAGCCAGTGATAACA AAGGATGTCTATGAAGTTGCTGTCTCTCTCATTCAGATGTTCGATGACCTGGACATGAAAGAGAGCGGGA ACAAGACCTGGTCCGGGGCGCAGTTTGTGTCGGAGCGGAGCAGCGTGCTGGTGTTCCTGCCAGGTCTGGG TGAGATCAATTACATGCATGAGCTCCTCACAAACATGATTCACAAAAGGTTACAGGTCTATCCACTCCAT TCCAGTGTGACTTTAGAAGAACAGAATAACGTATTTTTAAGTCCAGTCCCTGGGTACAGAAAGATTATTC TGTCAACCAACATCGCAGAGAGTTCTGTCACAGTTCCTGATGTCAAATATGTTATAGATTTCTGTCTGAC CAGAACTCTGGTTTGTGATGAAGATACAAATTATCAGAGTCTGCGACTAAGCTGGGCTTCCAAGACCAGC TGTGACCAGAGAAAAGGCCGTGCTGGACGAGTGTCTAAAGGATACTGCTACAGACTGATCCCCAGGGACT

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TCTGGGACAGTGCTATCCCTGACCACGTTGTTCCTGAGATGCTGCGCTGTCCGCTGGGAAGCACAATATT
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TTGAAACCTCGAGAGAAGATTACTCCTCAGTGGCACGAGAAACCCTACGAGTGGAACCAGGTGGATCCAA
GGCTGATCATGGAGCAAGCTGAGCCAGAGGGCAGCCCAGGAAAGAGCACGTCACTGTACCAGCTGCACAC
GCCTGTGGTGCTCAGCCCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_029056

Insert Size: 4152 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_029056.1, NP_083332.1
RefSeq Size:	4809 bp
RefSeq ORF:	4152 bp
Locus ID:	74691
UniProt ID:	Q14BI7
Cytogenetics:	12 F1
Gene Summary:	ATP-binding RNA helicase which plays a central role during spermatogenesis by repressing transposable elements and preventing their mobilization, which is essential for the germline integrity (PubMed:20059948, PubMed:28633017). Acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposons (PubMed:20059948, PubMed:28633017). Acts downstream of piRNA biogenesis: exclusively required for transposon silencing in the nucleus, suggesting that it acts as a nuclear effector in the nucleus together with PIWIL4 (PubMed:28633017). [UniProtKB/Swiss-Prot Function]