

Product datasheet for SC315249

TDRD1 (NM_198795) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TDRD1 (NM_198795) Human Untagged Clone
Tag:	Tag Free
Symbol:	TDRD1
Synonyms:	CT41.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315249 representing NM_198795. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGAGTGTAAATCGCCATTTAATGTGATGTCAAGAAATAATTTGGAAGCACCTCCTTGAAGATGACA
 GAGCCATTTAATTTTGAGAAAAATGAAACAAGCTTCCACCACATGAGTCTTTAAGAAAGCTGGAACA
 CTTCTAACCCACCTAATTTGAGGCTGAAAAGCTCAGAGAATGGAATAAAAAGAACAATTTTGTCTT
 TGTGAGCAAAACCAACAATTTGGCTAGTCAGGAAGACAATTCAGTTTCTTCAAACCCGAATGGCATC
 AACGGAGAAGTAGTTGGCTCAAAGGAGACAGGAAAAATTTGCCAGCAGGAACTCAGTGTCAACACCA
 AGTGCTGAAAGTAATTCACCACCCAAAGAGTGAATATTAAGCCTGGAATAATGTACGCTCGCAAAA
 TCAAAAAAATAAACAAGTTGGTCGAGAATTCCTTGTCCATAAGTAATCCAGGGCTCTTCACCTCCTTA
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 GTCTTATATATTGATTATGGAATGAAGAAATAATTCATTAAACAGAATTTACCACCTCAACAGGAAC
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 CAAAGTGATCCTGAAGATGTTGAAAAATGACAACTGAAAACAACATTGTCGTAGACAAAAGTGACCTA
 ATCCCAAAAGTGAATTTGAATGTAGGTGATGAGTTTGTGGTGTGGTTGCCACATTCAAACACCA


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GAAGACTTCTTTTGTCAACAACTGCAAAGTGGCCGAAAGCTTGCTGAACTTCAGGCATCCCTTAGCAAG
TACTGTGATCAGTTGCCTCCACGCTCTGATTTTTATCCAGCCATTGGTGATATATGTTGTGCTCAGTTT
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GATGCTTTAAAGAACTCAATGATTTGAACAAGTCATTAGCAGAACACTGCCAGCAGAAGTTACCTAAT
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GCTTCACCACATAAAGACTTACCAATGACAGACTTGTTAATAAACATGAGCTTCAAGTTTCATGTACAG
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GCAATGTATTAGAAATCATAAGCCCAACTTGTTTTATGCTCTACCAAAAGGGATGCCAGAAAATCAG
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CTGGGGACATCAGACACTGATGTGGAAGTCTCTATGCAGACTATGGAACATTGAAACCCTGCCTCTT
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GGATTAATGGAATTGAATGGAAGCTCTTCTCAATTAATAAATGCTATTAATAAATTTTCATGTTGAAT
CAGAATGTAATGCTTTCTGTGAAAGGAATTACAAAGAATGTCCATACAGTGTGAGTGTGAGAAATGTTCT
GAGAATGGGACTGTGATGTAGCTGATAAGCTAGTGACATTTGGTCTGGCAAAAACATCACACCTCAA
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GTTGAAAACATGAACATATTCTCTCTTCTCTTAAACAATTCAACCAATCAAATAAAATTTATTGAA
ATGAAAAAAGTGTAAAAAAGCAGCATCTTTGGAGGTAACCCCTTATGA
ACGGCTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_198795
Insert Size:	3570 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_198795.1](#)

RefSeq Size: 4510 bp

RefSeq ORF: 3570 bp

Locus ID: 56165

UniProt ID: [Q9BXT4](#)

Cytogenetics: 10q25.3

MW: 132.9 kDa

Gene Summary: This gene encodes a protein containing a tudor domain that is thought to function in the suppression of transposable elements during spermatogenesis. The related protein in mouse forms a complex with piRNAs and Piwi proteins to promote methylation and silencing of target sequences. This gene was observed to be upregulated by ETS transcription factor ERG in prostate tumors. [provided by RefSeq, Sep 2018]