

Product datasheet for **SC323956**

TDRD3 (NM_030794) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TDRD3 (NM_030794) Human Untagged Clone
Tag:	Tag Free
Symbol:	TDRD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_030794.1
 CCACGCGTCCGCCGCTGTGGGCGCTGCAAACGCCACACTTTTGCTCTACGAAGAACCTC
 CTCGCGACTTTCCAAGGTATCTTTCAGATGAAGGCATTGAAGCTTGACACAAGCTCTCCAG
 ACAAAGTCAATGTAATGACATCATCTGATTGCTCTCAATATCTGAGAACAATTGGCAA
 GAAATTCCTCCCCAGTGACATCAATAGTGGAAAGGTAGAAAAGCTCGAAGGTCCATGTGT
 TTTGCAAATTCAAAAATTCGCAATGTTGCTGCACCAAAGGATAATGAAGAATCTCAGGC
 TGCACCAAGGATGCTGCGATTACAGATGACTGATGGTCATATAAGTTGCACAGCAGTAGA
 ATTTAGTTATATGTCAAAAATAAGCCTGAACACACCACCTGGAACCTAAAGTTAAGCTCTC
 AGGCATTGTTGACATAAAAAATGGATTCCTGCTTTGAATGACTCTAACCCACAGTTCT
 TGGTGGTGAAGTGAACACCTTATTGAGAAATGGGAGTTACAGAGAAGCTTATCAAAACA
 CAATAGAAGCAATATTGGAAGTGAAGGTGGACCACCGCCTTTTGTGCCTTTTGGACAGAA
 GTGTGTATCTCATGTCCAAGTGGATAGCAGAGAACTTGATCGAAGAAAAACATTGCAAGT
 TACAATGCCTGTCAAACCTACAATGATAATGATGAATTTGAAAAGCAAAGGACGGCTGC
 TATTGCTGAAGTTGCAAAGAGCAAGGAAACCAAGACATTTGGAGGAGGTGGTGGTGGTGC
 TAGAAGTAACTCAATATGAATGCTGCTGGTAACCGAAAATAGGGAAGTTTACAGAAAAGA
 AAAGTCAACCAAATCAGAGGGAAAAACATGAAGGTGTCTATAGAGAAGCTGGTTGATGAGAA
 AGCTCTGAAGCACATAACGGAAATGGGCTTCAGTAAGGAAGCATCGAGGCAAGCTCTTAT
 GGATAATGGCAACAACCTTAGAAGCAGCACTGAACGTACTTCTTACAAGCAATAAACAGAA
 ACCTGTTATGGGTCTCTCTGAGAGGTAGAGGAAAAGGCAGGGGGCGAATAAGATCTGA
 AGATGAAGAGGACCTGGGAAATGCAAGGCCATCAGCACCAAGCACATTATTTGATTTCTT
 GGAATCTAAAATGGGAACCTTTGAATGTGGAAGAACCTAAATCACAGCCACAGCAGTTCA
 TCAGGGACAATACAGATCATCAAATACTGAGCAAAATGGAGTAAAAGATAATAATCATCT
 GAGACATCTCTCGAAATGATACCAGGCAGCCAAGAAATGAAAAACCGCCTCGTTTTCA
 AAGAGACTCCCAAATTCAAAGTCAGTTTTAGAAGGCAGTGGATTACCTAGAAAATAGAGG
 TTCTGAAAGACCAAGTACTTCTTCAAGTATCTGAAGTATGGGCTGAAGACAGAATCAAATG
 TGATAGACCGTATTCTAGATATGACAGAACTAAAGATACTTCATATCCTTTAGGTTCTCA
 GCATAGTGATGGTGTCTTTAAAAAAGAGATAACTCTATGCAAAGCAGATCAGGAAAAGG
 TCCCTCTTTGCAGAGGCAAAAGAAAATCCACTTCTCAAGGATCTGTAGATTATAATAA
 TCAAAAACGTGAAAAAGAGAAAGCCAAACATCTATTCCTGATTATTTTTATGACAGGAA
 ATCACAACAATAAATAATGAAGCTTTCAGTGGTATAAAAATGAAAAACATTTTAAATGT
 AAATACTGATTATCAGAATCCAGTTCGAAGTAATAGTTTCATTGGTGTTCCAAATGGAGA
 AGTAGAAATGCCACTGAAAGGAAGACGAATAGGACCTATTAAGCCAGCAGGACCTGTCAC
 AGCTGTACCCTGTGATGATAAAATATTTTACAATAGTGGGCCCAAACGAAGATCTGGGCC
 AATTAAGCCAGAAAAAATACTAGAATCATCTATTCCTATGGAGTATGCAAAAATGTGGAA
 ACCTGGAGATGAATGTTTTGCACTTTATTGGGAAGACAACAAGTTTTACCAGGCAGAAAGT
 TGAAGCCCTCCATTCTTCGGGTATGACAGCAGTTGTTAAATTCATTGACTACGGAAACTA
 TGAAGAGGTGCTACTGAGCAATATCAAGCCATTCAAACAGAGGCATGGGAGGAAGAAGG
 CACCTACGATCAAACCTCTGGAGTTCCTGAGGGAGGTGATGGCCAGCCAAGACGATCCAC
 TCGGCCAACCCAACAGTTTTACCAACCACCCCGGGCTCGGAACTAATAGGAAAAGTAGAC
 TCTTTGTGAAGAAACGAGCCAGTACTGAAACACCCTGGTGGAAACCTGTTGACAGACCT
 TCCACTTCTCTTCAAGATAAGTGTGTTGGTATTATTATTTGAAGAAAAGAAAAA
 CAGATTTTAGGGTGGAAAAACAGTCAACTCACACAAAAGAAATGGAAAAAATACTGAGTT
 AAATTAAGCAAATACCTTTTACAAGTGAAGGAAGAATTTTTCTTCTGCCGTCAATAAAA
 CCATTGTGCTATTAATAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_030794

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:	<ol style="list-style-type: none"> 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:	<u>NM_030794.1, NP_110421.1</u>
RefSeq Size:	2501 bp
RefSeq ORF:	1956 bp
Locus ID:	81550
UniProt ID:	<u>Q9H7E2</u>
Cytogenetics:	13q21.2
Domains:	UBA, TUDOR
Protein Families:	Druggable Genome
Gene Summary:	<p>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. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains a distinct 5' UTR and uses a different splice site in its 5' UTR, compared to variant 1. These differences cause translation initiation at a downstream start codon. The encoded protein (isoform 2) is shorter than isoform 1.</p>