

Product datasheet for **SC327618**

TDRD3 (NM_001146071) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TDRD3 (NM_001146071) Human Untagged Clone
Tag:	Tag Free
Symbol:	TDRD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

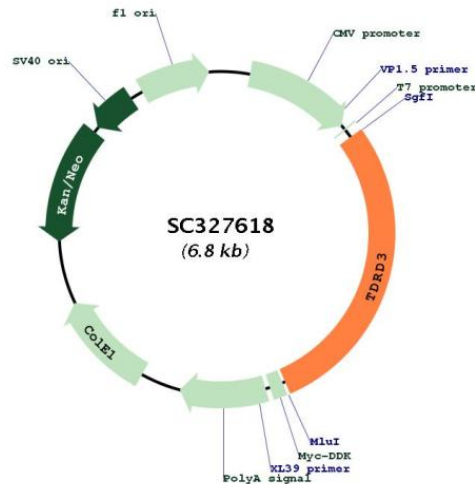


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Fully Sequenced ORF: >SC327618 representing NM_001146071.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCTGCGATTACAGATGACTGATGGTCATATAAGTTGCACAGCAGTAGAATTTAGTTATATGTCAAAA
ATAAGCCTGAACACACCACCTGGAACTAAAGTTAAGCTCTCAGGCATTGTTGACATAAAAAATGGATTC
CTGCTCTTGAATGACTCTAACACCACAGTTCTTGGTGGTGAAGTGAACACCTTATTGAGAAATGGGAG
TTACAGAGAAGCTTATCAAAACACAATAGAAGCAATATTGAACTGAAGGTGGACCACCGCTTTTGTG
CCTTTTGGACAGAAGTGTGTATCTCATGTCCAAGTGGATAGCAGAGAAGTTGATCGAAGAAAAACATTG
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GCTGAAGTTGCAAAGAGCAAGGAAACCAAGACATTTGGAGGAGGTGGTGGTGGTCTAGAAGTAATCTC
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GAAGTTGAAGCCCTCCATTCTTCGGGTATGACAGCAGTTGTTAAATTCATTGACTACGGAACATGAA
GAGGTGCTACTGAGCAATATCAAGCCATTCAAACAGAGGCATGGGAGGAAGAAGGCACCTACGATCAA
ACTCTGGAGTTCCGTAGGGGAGGTGATGGCCAGCAAGACGATCCACTCGGCCAACCCAACAGTTTTAC
CAACCACCCCGGGCTCGGAACTAA
ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001146071

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).

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_001146071.1](#)

RefSeq Size: 3032 bp

RefSeq ORF: 1956 bp

Locus ID: 81550

UniProt ID: [Q9H7E2](#)

Cytogenetics: 13q21.2

Protein Families:	Druggable Genome
MW:	73.2 kDa
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 (3) contains a distinct 5' UTR and uses two different splice sites in its UTRs, 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>