

Product datasheet for **SC318609**

TDRD9 (NM_153046) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TDRD9 (NM_153046) Human Untagged Clone
Tag: Tag Free
Symbol: TDRD9
Synonyms: C14orf75; HIG-1; HLS; NET54; SPGF30; SPNE
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_153046, the custom clone sequence may differ by one or more nucleotides

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ATGCTGCGGAAGCTCACCATCGAGCAGATCAACGACTGGTTCACCATCGGCAAGACGGTG
ACCAATGTGGAGCTGCTGGGCGCGCCGCCCTTCCCGCAGGGGCGCCAGGGAGGAG
GTGCAGCGCCAGGACGTGGCCCCGGCGCTGGTCCCGCGGCCAGGCTCCGGCTCTGGCC
CAAGCTCCGGCCCCGGCCGCGCTGCGTTCGAAAGGTCACCTCAGCCAAAGGAGCTCAGAA
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AGAGAAGATGAAAACCCCATGATGGTGAATTGACCTTCTTAGGAAGAGTTTTAGCCAA
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 CAGAAGCTTTTAGGTTTGTCTGTCTCAGTCAAACCAAGGGAGAAGATTGTTCCCAAGTGG
 CATGAAAAGCCCTACGAGTGAATCAGGTTGATCCAAAGCTGGTATGGAGCAGGCCGAC
 CGTGAGAGCAGCAGAGGGAAGAACACCTTCTCTACCAGCTCCACAACTGGTTGTGCTC
 GGCACC

Restriction Sites:

Please inquire

ACCN:

NM_153046

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:	NM_153046.2 , NP_694591.2
RefSeq Size:	4782 bp
RefSeq ORF:	4149 bp
Locus ID:	122402
UniProt ID:	Q8NDG6
Cytogenetics:	14q32.33
Gene Summary:	ATP-binding RNA helicase required during spermatogenesis (PubMed:28536242). Required to repress transposable elements and prevent their mobilization, which is essential for the germline integrity. 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. 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. [UniProtKB/Swiss-Prot Function]