

Product datasheet for RC219472L3

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OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

TDRD9 (NM_153046) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: TDRD9 (NM_153046) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: TDRD9

Synonyms: C14orf75; HIG-1; HLS; NET54; SPGF30; SPNE

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC219472).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_153046

ORF Size: 4146 bp





TDRD9 (NM_153046) Human Tagged Lenti ORF Clone - RC219472L3

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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: <u>NM 153046.2</u>, <u>NP 694591.2</u>

 RefSeq Size:
 4782 bp

 RefSeq ORF:
 4149 bp

 Locus ID:
 122402

 UniProt ID:
 Q8NDG6

Cytogenetics: 14q32.33

MW: 155.5 kDa

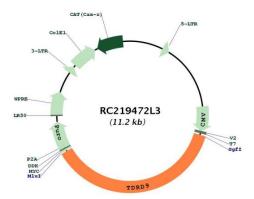
Gene Summary: ATP-binding RNA helicase required during spermatogenesis (PubMed:28536242). Required to

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]



Product images:



Circular map for RC219472L3