

Product datasheet for MC211295

Tdrp (NM_173744) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Tdrp (NM_173744) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Tdrp
 Synonyms: 2610019F03Rik
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >MC211295 representing NM_173744
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGTGGAAGCTGAGCCGAAGTCGAGTGCTTCTGGACGAGCCCCCGAGGAAGAGGATGTGCTGCGAGGGG
 CACCGCCAGCATCAGCAGCCGCCCGCGTCGGGAGCAAGTCTCAGAGGTTGAAAGAAGCAACTTCTCT
 GTTTAATAAAGATGATGAAGAACATCTCCTCGAGACTTCCAGATCTCCTAAGTCCAAAGGAACTAACCA
 CGACTAAGAGAAGAGCTGAAGGCAGAGAAGAAATCAGGATTTTGGGACGCCTTGGTTTTGAAACAGAATG
 CCCAGCCTAAAAAACCAGATCAGATCGAAGGTTGGGAGCCTCCCAACTTACTGCTGAAGACGTGGTCGC
 CGACCATACCGAGGATGATAGAAGTGGCTGCCACCCTGGTCTGCCTGGGAGGACGATACCAAGGGCTCT
 ACCAAGTACACCGCCTCGCAACTCAGCCAGCAGCTCCCGCTGGAGCCTCCGGTCAGCGGAAAGCTGG
 TCAGCATCAGGCGACAGAGCAAAGGCCACTGACAGAGACCTGTGAAGAGGGAGAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_173744
 Insert Size: 549 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_173744.4](#), [NP_776105.1](#)

RefSeq Size: 2477 bp

RefSeq ORF: 549 bp

Locus ID: 72148

UniProt ID: [Q8C5P7](#)

Cytogenetics: 8 A1.1

Gene Summary: Contributes to normal sperm motility, but not essential for male fertility.[UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (2) differs in the 5' UTR and uses an alternate in-frame splice junction in the 5' end compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform (a). Variants 2, 3, 4, and 5 all encode the same isoform (b).