

Product datasheet for **SC332285**

TRDN (NM_001256021) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TRDN (NM_001256021) Human Untagged Clone
Tag: Tag Free
Symbol: TRDN
Synonyms: CPVT5; TDN; TRISK
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332285 representing NM_001256021.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGACTGAGATCACTGCTGAAGGAAATGCATCTACAACCACAACCTGTGATAGACAGCAAAAATGGATCT
GTGCCAAATCCCCGAAAAGTCTGAAGAGGACAGTCACAGAAGACATAGTGACGACGTTTCAGCTCC
CCTGCAGCCTGGCTTCTGGTCATTGCCCTGATAATCACGTGGTCAGCTGTTGCCATCGTTATGTTTGAT
TTAGTGGATTACAAAACTTTTCAGCAAGCTCTATTGCCAAGATTGGCTCAGATCCTTTAAACTGGTA
CGTGATGCTATGGAGGAAACCACGGACTGGATCTATGGCTTCTTTCTTTGTTATCTGACATCATCTCA
TCTGAAGATGAAGAAGATGATGATGGTGACGAAGATACTGATAAAGGAGAAATAGATGAGCTCCCTTG
AGAAAAAAGAAATACACAAAGTAAGACTGAAAAACAAGAGAAACCTGAAAGGAAAATACAACTAAA
GTTACACACAAAAGAAAAAGAAAAGGAAAAGAAAAGTAAAGAGAAAAAGAAAACCTGAAAAGAAAGCA
ACTCACAAGGAAAAAATTGAGAAAAAGAAAACCAGAAAACAAGACACTGGCGAAAAGACAGAAGAAA
GCTAAGACTGCAGAAAAGTGAAGAAAAGACTAAAAGGAAGTAAAAGGTGAAAACAGGAGAAAAGTG
AAGCAAACAGCTGCAAAAGTAAAAGAAGTACAGAAAACCCATCAAAACCCAAAAGAAAAGGAGACAAA
GAGAAAGCAGCTGTGTCAAAGCATGAACAGAAAGGTAACATTTCAGAGCAGGAGGCTGCCGGAGGTTCT
AAGAGAATATTGGCAAGAAGCACATGCAGTGA
```

Restriction Sites: SgfI-MluI
ACCN: NM_001256021
Insert Size: 861 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).
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).



[View online »](#)

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_001256021.1](#)

RefSeq Size: 3002 bp

RefSeq ORF: 861 bp

Locus ID: 10345

Cytogenetics: 6q22.31

Protein Families: Transmembrane

MW: 32.1 kDa

Gene Summary: This gene encodes an integral membrane protein that contains a single transmembrane domain. A similar protein in rabbits plays a role in skeletal muscle excitation-contraction coupling as part of the calcium release complex in association with the ryanodine receptor. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and single nucleotide polymorphisms in this gene may be markers for IgA nephritis. [provided by RefSeq, Oct 2011]

Transcript Variant: This variant (4) lacks several 3' exons but contains an alternate 3' end, and it thus differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (4, also known as Trisk 32) has a distinct and significantly shorter C-terminus, compared to isoform 1. **Sequence Note:** This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.