

## Product datasheet for SC332162

### TRDN (NM\_001251987) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TRDN (NM\_001251987) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TRDN  
**Synonyms:** CPVT5; TDN; TRISK  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332162 representing NM\_001251987.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGACTGAGATCACTGCTGAAGGAAATGCATCTACAACCACAACCTGTGATAGACAGCAAAAATGGATCT
GTGCCAAATCCCCGAAAAAGTCTGAAGAGGACAGTCACAGAAGACATAGTGACGACGTTTCAGCTCC
CCTGCAGCCTGGCTTCTGGTCATTGCCCTGATAATCACGTGGTCAGCTGTTGCCATCGTTATGTTTGAT
TTAGTGGATTACAAAACTTTTCAGCAAGCTCTATTGCCAAGATTGGCTCAGATCCTTTAAACTGGTA
CGTGATGCTATGGAGGAAACCACGGACTGGATCTATGGCTTCTTTTCTTTGTTATCTGACATCATCTCA
TCTGAAGATGAAGAAGATGATGATGGTGACGAAGATACTGATAAAGGAGAAATAGATGAGCCTCCCTTG
AGAAAAAAGAAATACACAAGATAAGACTGAAAAACAAGAGAAACCTGAAAGGAAAAATACAACTAAA
GTTACACACAAAAGAAAAAGAAAAAGAAAAAGTAAAGAGAAAAAGAAAAACCTGAAAAAGAAAGCA
ACTCACAAGGAAAAAATTGAGAAAAAGAAAAACCAGAAACAAAGACACTGGCGAAAAAGACAGAAGAAA
GCTAAGACTGCAGAAAAGAGTGAAGAAAAGACTAAAAAGGAAGTGAAGGTGGAAAAACAGGAGAAAGTG
AAGCAAACAGCTGCAAAAGTAAAAGAAGTACAGAAAACCCATCAAAACCCAAAGAAAAGGAGGACAAA
GAGAAAGCAGCTGTGTCAAAGCATGAACAGAAAGATCAGTATGCATTCTGTGATATATGATTGACATA
TTTGTCCATGGGATTTAAAACCAGGACAAAGCCAGCCATTCCACCTCCCTTACCGACAGAACAAGCT
TCCAGACCCACTCCGGCATCACCTGCCCTTGAAGAAAAAGAGGGGAAAAAGAAAGGCTGAGAAGAAA
GTTACTTCTGAAACAAAAAGAAAGCAGAAAAAGAGATATCAAAAAGAAAAGTGAAGGAAACTGCC
ATTGATGTGAAAAAAAAGAGCCGGAAAAAGCTTCTGAAACCAAAACAAGGACTGTAAAAATTGCAGCA
CAAGCAGCAGCTAAGAAGGATGAAAAGAAGGAAGATTCCAAGAAAACAAAAAACCTGCAGAAGTAGAA
CAACCCAGGGAAAAAACAGGAAAAAGAAACAAAAACATGTGGAACAGCAAAAGTCAACAAAGAAAGAA
CACTCAGTTCCAAGTGACAAACAAGTAAAAGCAAAAACTGAACGAGCCAAAGAGGAGATTGGTGCAGTT
TCAATTAAGGCTGTACCTGGAAAGAAGGAAGAAAAACAACCAAGACAGTGGAGCAAGGTAAGAAAA
AAATGA
  
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001251987  
**Insert Size:** 1386 bp



<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001251987.1</a></u>
<b>RefSeq Size:</b>	4763 bp
<b>RefSeq ORF:</b>	1386 bp
<b>Locus ID:</b>	10345
<b>Cytogenetics:</b>	6q22.31
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	51.6 kDa
<b>Gene Summary:</b>	<p>This gene encodes an integral membrane protein that contains a single transmembrane domain. As 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]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR, uses an alternate splice site in the 5' coding region, and lacks a large portion of the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p> <p>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.</p>