

Product datasheet for **RG234168**

TRDN (NM_001251987) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRDN (NM_001251987) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRDN
Synonyms:	CPVT5; TDN; TRISK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234168 representing NM_001251987
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGACTGAGATCACTGCTGAAGGAAATGCATCTACAACCACAACCTGTGATAGACAGCAAAAATGGATCTG
 TGCCCAAATCCCCGGAAGTGTGAAGAGGACAGTCACAGAAGACATAGTGACGACGTTCAAGTCCCC
 TGCAGCCTGGCTTCTGGTCATTGCCCTGATAATCACGTGGTCAGCTGTTGCCATCGTTATGTTTGATTTA
 GTGGATTACAAAACTTTTCAGCAAGCTCTATTGCCAAGATTGGCTCAGATCCTTTAAACTGGTACGTG
 ATGCTATGGAGGAAACCACGGACTGGATCTATGGCTTCTTTCTTTGTTATCTGACATCATCTCATCTGA
 AGATGAAGAAGATGATGATGGTGACGAAGATACTGATAAAGGAGAAATAGATGAGCCTCCCTTGAGAAAA
 AAAGAAATACACAAGATAAGACTGAAAAACAAGAGAAACCTGAAAGGAAATACAACTAAAGTTACAC
 ACAAGAAAAAGAAAAAGAAAAAGTAAGAGAAAAAGAAACCTGAAAAAGCAACTCACAA
 GAAAAAATTGAGAAAAAGAAAAACAGAAACAAAGACACTGGCGAAAGAACAGAGAAAGCTAAGACT
 GCAGAAAAGAGTGAAGAAAGACTAAAAAGGAAGTGAAAGGTGGAAAAACAGGAGAAAGTGAAGCAACAG
 CTGCAAAAGTAAAGAAAGTACAGAAAACACCATCAAAACCAAAGAAAAGGAGGACAAAGAGAAAGCAGC
 TGTGTCAAAGCATGAACAGAAAGATCAGTATGCATTCTGTGATATATGATTGACATATTTGCCATGGG
 GATTTAAACAGGACAAAGCCAGCCATTCCACCTCCCTTACCGACAGAAACAGCTTCCAGACCCACTC
 CGGCATCACCTGCCCTTGAAGAAAAAGAGGGGAAAAGAAAGGCTGAGAAGAAAGTTACTTCTGAAAC
 AAAAAAGAAAGCAGAAAAAGAGATATCAAAAGAAAAGTGAGAAGGAACTGCCATTGATGTGAAAAA
 AAAGAGCCGGGAAAAGCTTCTGAAACCAACAAGGACTGTAAAAATTGCAGCACAAGCAGCAGCTAAGA
 AGGATGAAAAGAAAGGAAGATTCCAAGAAAAACAAAAACCTGCAGAAAGTAGAACAAACCAAGGGAAAAA
 ACAGGAAAAAGAAAAACATGTGGAACCAAGCAAGTCACCAAGAAAGAACACTCAGTTCCAAGTGAC
 AAACAAGTAAAGCAAACTGAACGAGCCAAAGAGGAGATTGGTGCGGTTTCAATTAAGAAAGCTGTAC
 CTGGAAGAAGGAAGAGAAAAACAACCAAGACAGTGAGCAAGGTAAAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234168 representing NM_001251987
 Red=Cloning site Green=Tags(s)

MTEITAEGNASTTTTVIDSKNGSVKSPGKVLKRTVTEDIVTTFSSPAWLLVIALIITWSAVAIVMFDL
 VDYKNFSASSIAKIGSDPLKLVRDAMEETTDWIYGFSLSDIISSEDEEDDDGDEDTDKGEIDEPPLRK
 KEIHKDKTEKQEKPERKIQTQVTHKEKEKGKEKVREKEKPEKKATHKEKIEKKEKPEKTLAKEQKKA
 AEKSEETKKEVKGGKQEKVKQTAAKVKEVQKTPSKPEKEDKEKAASVSKHEQKDQYAFCRYMIDIFVHG
 DLKPGQSPAIPPLPTEQASRPTPASPALKEKEGKKAEKKVTSETKKAEKEDIKKKSEKETAIDVEK
 KEPGKASETKQGTVKIAAQAAKKDEKKEDSKTKKPAEVEQPKGKKQEKKEKHVEPAKSPKKEHSVPSD
 KQVKAKTERAKEEIGAVSIKKAIVPGKKEETTKTVEQGGKK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001251987

ORF Size: 1383 bp

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: [NM_001251987.2](#)

RefSeq Size: 4763 bp

RefSeq ORF: 1386 bp

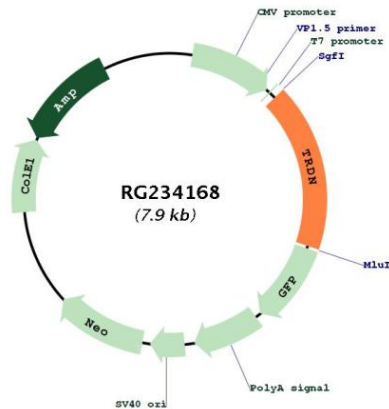
Locus ID: 10345

Cytogenetics: 6q22.31

Protein Families: Transmembrane

Gene Summary:

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]

Product images:


Circular map for RG234168