

Product datasheet for RC233347

TRDN (NM_001256022) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TRDN (NM_001256022) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TRDN
Synonyms: CPVT5; TDN; TRISK
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233347 representing NM_001256022
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGACTGAGATCACTGCTGAAGGAAATGCATCTACAACCACAACCTGTGATAGACAGCAAAAATGGATCTG
 TGCCCAAATCCCCCGAAAAGTCTGAAGAGGACAGTCACAGAAGACATAGTGACGACGTTTCAGCTCCCC
 TGCAGCCTGGCTTCTGGTCATTGCCCTGATAATCACGTGGTCAGCTGTTGCCATCGTTATGTTTGATTTA
 GTGGATTACAAAACTTTTCAGCAAGCTCTATTGCCAAGATTGGCTCAGATCCTTTAACTGGTACGTG
 ATGCTATGGAGGAAACCACGGACTGGATCTATGGCTTCTTTCTTTGTTATCTGACATCATCTCATCTGA
 AGATGAAGAAGATGATGATGGTGACGAAGATACTGATAAAGGAGAAATAGATGAGCCTCCCTTGAGAAAA
 AAAGAAATACACAAAGATAAGACTGAAAAACAAGAGAAACCTGAAAGGAAAATACAACTAAAGAAGTTG
 GACACAGCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233347 representing NM_001256022
 Red=Cloning site Green=Tags(s)
 MTEITAEGNASTTTTVIDSKNGSVPKSPGKVLKRTVTEDIVTTFSSPAWLLVIALIITWSAVAIVMFDL
 VDYKNFSASSIAKIGSDPLKLVRDAMEETTDWIYGFSLSDIISSEDEEDDDGDEDTDKGEIDEPPLRK
 KEIHKDKTEKQEKPERKIQTKVEVGHSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI


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Cloning Scheme:


ACCN: NM_001256022

ORF Size: 501 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001256022.1](#), [NP_001242951.1](#)

RefSeq Size: 1413 bp

RefSeq ORF: 504 bp

Locus ID: 10345

UniProt ID: Q13061

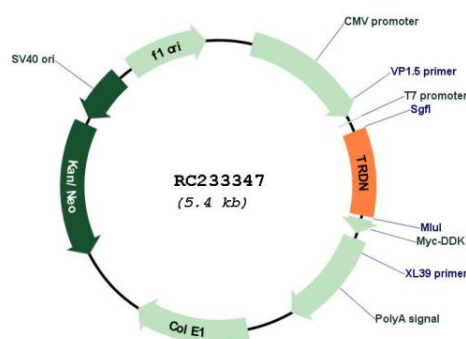
Cytogenetics: 6q22.31

Protein Families: Transmembrane

MW: 18.9 kDa

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 RC233347