

Product datasheet for **RC233653**

TRDN (NM_001256021) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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: >RC233653 representing NM_001256021
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGACTGAGATCACTGCTGAAGGAAATGCATCTACAACCACAACTGTGATAGACAGCAAAAATGGATCTG
TGCCCAATCCCCGGAAGTGCTGAAGAGGACAGTCACAGAAGACATAGTGACGACGTTACGCTCCCC
TGCAGCCTGGCTTCTGGTCATTGCCCTGATAATCACGTGGTCAGCTGTTGCCATCGTTATGTTTGATTTA
GTGGATTACAAAACTTTTCAGCAAGCTCTATTGCCAAGATTGGCTCAGATCCTTTAAACTGGTACGTG
ATGCTATGGAGGAAACCGGACTGGATCTATGGCTTCTTTCTTTGTTATCTGACATCATCTCATCTGA
AGATGAAGAAGATGATGATGGTGACGAAGATACTGATAAAGGAGAAATAGATGAGCCTCCCTTGAGAAAA
AAAGAAATACACAAAGATAAGACTGAAAAACAAGAGAAACCTGAAAGGAAAATACAACTAAAGTTACAC
ACAAAGAAAAAGAAAAAGAAAAAGTAAGAGAAAAAGAAAACTGAAAGAAAGCAACTCACAA
GGAAAAATTGAGAAAAAGAAAAACCAGAAACAAAGACACTGGCGAAAGAACAGAAAGAAAGCTAAGACT
GCAGAAAGAGTGAAGAAAGACTAAAAAGGAAGTGAAGGTGAAAAACAGGAGAAAGTGAAGCAAAACAG
CTGCAAAAGTAAAAGAAGTACAGAAACACCATCAAAACCCAAAGAAAGGAGGACAAAGAGAAAGCAGC
TGTGTCAAAGCATGAACAGAAAGGTAACATTGAGAGCAGGAGGCTGCCGGAGGTTCTAAGAGAATATTG
GGCAAGAAGCACATGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC233653 representing NM_001256021
Red=Cloning site Green=Tags(s)

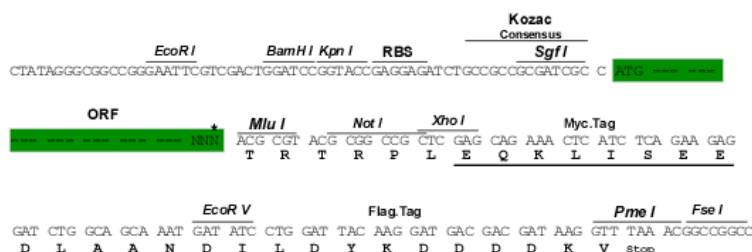
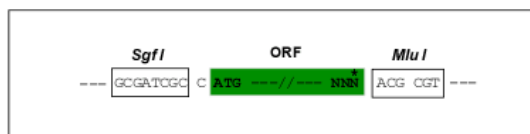
MTEITAEGNASTTTTTVIDSKNGSVKPSGKVLKRTVTEDIVTTFSSPAAWLLVIALIITWSAVAIVMFDL
VDYKNFSASSIAKIGSDPLKLRDAMEETTDWIYGFLLSDIISSEDEEDDDGEDTDKGEIDEPPLRK
KEIHKDKTEKQEKEPERKIQTKVTHKEKEKGKEKREKEPEKKATHKEKIEKKEKPETKLAKQKKAKT
AEKSEETKKKEVGGKQEKVKQTAAKVKEVQKTPSKPKEKEDKEKAAVSKHEQKGHSEQEAAAGGSKRIL
GKKHMO

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001256021

ORF Size: 858 bp

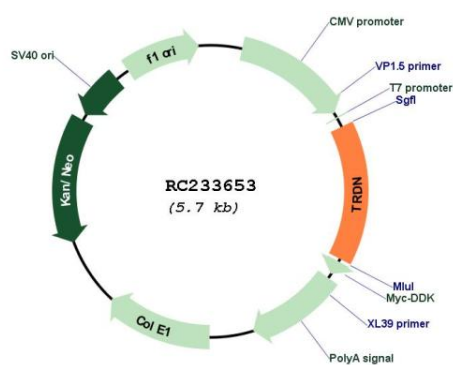
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_001256021.1, NP_001242950.1</u>
RefSeq Size:	3002 bp
RefSeq ORF:	861 bp
Locus ID:	10345
Cytogenetics:	6q22.31
Protein Families:	Transmembrane
MW:	32.6 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 RC233653