

## Product datasheet for **MG202648**

### **Txndc9 (NM\_172054) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Tag:** TurboGFP  
**Symbol:** Txndc9  
**Synonyms:** AI098020; APACD  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG202648 representing NM\_172054  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAAGGTAATGGATCCGTCGACATGTTCTCAGAAGTCTGGAGAACCAGTTCTCCAGGCCGCTAAGC  
TGGTGGAGAATCACTTGGACTCTGAAATTCAGAACTGGATCAGATTGGTGAAGATGAACTGGAGCTGCT  
CAAAGAAAAGAGGCTGGCGGCTCAGGAAGGCTCAGCAGCAGAAACAAGAGTGGCTTTCCAAGGGCAC  
GGGAGTACAGAGAAATCGGCAGCAGAGAGACTTCTTTCAAGAGTCAAGGAGAGTGAAGTGGTTT  
GCCATTTCTACAGAGACACCACATTCAGGTGTAATACTAGACAGACATTTGGCAATTTGGCCAAAA  
GCATCTGAAACCAAGTTTTTGAAGCTGAATGTGAAAAGGCACCATTCCTCTGTGAGAGACTGCGGATC  
AAGGTCATCCACGCTAGCTCTTAAGAGATGGCAAGACGCAAGATTATGTTGTTGGATTACCGACC  
TAGGAAATACAGATGACTTCACTACAGAACTTTAGAATGGAGACTTGGTGTCTGATGTTATCAATTA  
CAGTGGAAATTTAATGGAGCCACCATTTCAGAGCCAAAAGAAATTTGGGACAACTTTACAAAGCTGGAA  
AAGAAAATATCCGAGGAAAGAAATACGATTCCGATTCTGATGATGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG202648 representing NM\_172054  
Red=Cloning site Green=Tags(s)

MEGNGSVDMFSEVLENQFLQAAKLVENHLDSEIQKLDQIGEDELELLKEKRLAALRKAQQQKQEWLSKGGH  
GEYREIGSERDFFQEVKESEKVVCHFVYRDTTFRCKILDRHLAILAKKHLETKFLKLNVEKAPFLCERLRI  
KVIPTLALLRDGKTQDYVVGFDLGNDDFTTETLEWRLGCSVDVINYSGNLMEPPFQSQKKFGTNFTKLE  
KKTIRGKKYDSDDDD

**TRTRPLE** - GFP Tag - V



**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_172054

**ORF Size:** 678 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\\_172054.4](#)

**RefSeq Size:** 4597 bp

**RefSeq ORF:** 681 bp

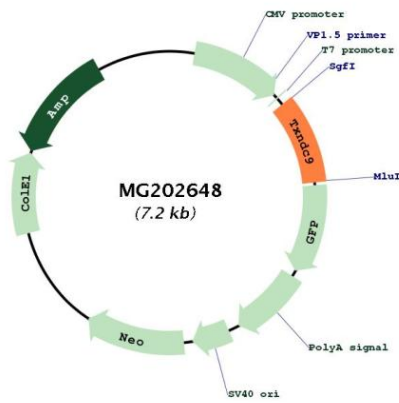
**Locus ID:** 98258

**UniProt ID:** [Q9CQ79](#)

**Cytogenetics:** 1 B

**Gene Summary:** Significantly diminishes the chaperonin TCPI complex ATPase activity, thus negatively impacts protein folding, including that of actin or tubulin.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG202648