

## Product datasheet for **MC204966**

### **TxnII (NM\_016792) Mouse Untagged Clone**

#### Product data:

|                                  |                         |
|----------------------------------|-------------------------|
| <b>Product Type:</b>             | Expression Plasmids     |
| <b>Tag:</b>                      | Tag Free                |
| <b>Symbol:</b>                   | TxnII                   |
| <b>Synonyms:</b>                 | 32kDa; TRP32; TxnI      |
| <b>Mammalian Cell Selection:</b> | Neomycin                |
| <b>Vector:</b>                   | PCMV6-Kan/Neo (PCMV6KN) |
| <b>E. coli Selection:</b>        | Kanamycin (25 ug/mL)    |

**Fully Sequenced ORF:** >BC061123  
CCTCTCGCTCGCCTCCAGCCCGCGTCTCCTCCCTCCGCTCGCTGCTCCCTGGCGTGACTCGGCACT  
CGCAGCTCCGGGAGGACAGTCGTGGTCGCCGTTCCCGCCAGGCCCGGCCTCCTGCAGCCGTCCTCG  
GCCTCTCTCGGGCTCTGTGCTTCAGTTTTGAGGCCGGAAGCGTCGCGGCCGCCCTGCCGGGCTCTGTG  
AGGATGGTGGGAGTGAAGCCGGTCGGGAGCGATCCAGATTTCCAGCCGAGCTGAGCGGGGCGGGCTCCA  
GACTTGCCGTGGTCAAGTTCACCATGAGAGGGTGTGGACCGTGTCTTCGGATTGCCCGGCGTTCAGCTC  
TATGAGTAATAAGTACCCACAGGCAGTCTTCTTGGAAGTAGATGTGCATCAGTGCCAGGGAACAGCTGCC  
ACCAACAACATATCAGCAACACCTACGTTTTTGTTCGAAACAAAGTGAGAATCGATCAGTATCAAG  
GAGCAGATGCTGTGGGACTAGAAGAGAAAATCAAGCAGCACTTAGAAAATGATCCTGGAAGCAATGAGGA  
CGCAGACATTCAAAGGGCTATATGGATTTAATGCCTTTTATTAACAAAGCTGGTTGTGAATGCTTAAT  
GAAAGTGATGAGCACGGCTTTGACAACTGTTTACGAAAAGACATGTCCTTCTTGAGTCTGACTGTGATG  
AGCAGCTCCTTATTACTGTGGCATTCAATCAGCCTGTTAAGCTTTATTCATGAAGTTTCAAGGACCAGA  
TAACGGTCAGGGTCCTAAATATGTAATAATTTTATCAACCTACCCGATCTATGGATTTTGAGGAGGCG  
GAAAGGAGTGAGCCAACCTCAAGCTCTGGAAGTACAGAGATGACATTAAGAAGATGGCATTGTCCTC  
TTCGTTATGTTAAATTTAGAAATGTCAACAGTGAACCTTTATTTGTTTCAAGTCTAATCAAGGAGAAGA  
AACAACGAGAATTTTCAATTTTACTTTTATTGTTACTCCAGTCCAGGCAACAAATATGAATGACTTCAAA  
CGAGTGGTTGGCAAAAAGGGGAAAGCCATTAGGGTACAAAGACTGGAAGACTTACTGCAGTCAGACT  
TGCAGCTCCTGGATAATTGCTTGATTCTCTCGAAACTGTTAATCTTTTATTTGTTGCCAGTACCAATA  
AATCATTGCTTTTGTTCAAAAAAGGGGAAAGCCATTAGGGTACAAAGACTGGAAGACTTACTGCAGTCAGACT

|                           |           |
|---------------------------|-----------|
| <b>Restriction Sites:</b> | Sfil-Sfil |
| <b>ACCN:</b>              | NM_016792 |
| <b>Insert Size:</b>       | 870 bp    |



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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u><a href="#">BC061123</a></u> , <u><a href="#">AAH61123</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq Size:</b>           | 1236 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 870 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>              | 53382                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <u><a href="#">Q8CDN6</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 18 E1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Summary:</b>          | Active thioredoxin with a redox potential of about -250 mV.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                                                              |