

Product datasheet for **MC202850**

Txndc11 (NM_029582) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Txndc11 (NM_029582) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Txndc11 |
| Synonyms: | 2810408E11Rik; AI427833; EFP1; Txdc11 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC029643 sequence for NM_029582
 AAGCCGGCCACGGGGAGCATGTAATGTCGGAATGCGGAGGCCGCGGGCGGGCGGGAACAACAGCGA
 GGACGCCGAGGACGAGGGTGGCGGCCCAAGGGCTCAGGCTCCCTCAGCCCTGCCGGGGCGGGCGGTCC
 TTGGAGGGCCGGATCCGCCGCGGCTTGC GCGGCGCCTCGTTATGGCGCGCCAGCGGCCAGAGCTGCTGT
 GCGGGGCCGTGGCTCTCGGCTGCGCCCTGCTCTTCGCCCTCAAGTTCACTTGCAGTCGAGCAAAAGACGT
 GATAATACCAGCAAAGCCGCCTGTGAGCTTTTCTCCTCGAGATCTCCGGTCTTGACCTCTCCAGGGG
 CAGCTGGACTATGCTGACCATGTCCGCCAGGATTCTGAGGTGGTGGTGTCTTCTCTATGCCCTGTGGT
 GTGGCCAGTCCATCGCTGCCAGGCGAGAAATTGAGCAGGCAGCCAGCCGGCTTTCTGATCAGGTGTGTT
 TGTGGCAATAAACTGTTGGTGGAAACCAGGGGAAATGCAGAAAACAGAAGCATTCTTCTATTTTCTGTG
 ATACATCTGTATCATCGGAGTTTTGGACCAATCGAATACAAAGGCCCATGAGTGTGTTTACATTGAGA
 AGTTTTGCCCGGGCGATGAAGCCGCTTCTACATCCCGTCTCAATCAGCATTGCTAGACTTTCTCTC
 CAGCTATGAGCCTGGAGTACTCGGATACTTTGAATTCAGCGGTTACCCAGCCTCCTGGTACTTGACC
 TTCTTACCTCAGCACTGCATTCGTTAAAGAAAGATTACCTAGGAACAGTGCATTGGGGTTATCACAG
 ATAAGCACCTTGGGAGACTGGTATCCTTAGTGCCTCTGGAAGTGTGATTTACATAGACATTTCAACAC
 ATCACTTGTCTTCCCGAGGAAGTCATGAACTTACGGCTGAGAACATCTATAAGTGGCCCTCAGAAAAC
 CAGGAGACCCTTCCGATGGCTACAGCCTCATGGAGGCAAGAGTCTGCTGTTGAACAATGAGCTGAAGA
 AAGGACCAGCACTTTCCTGTTTATACCGTTTGTATCCCTAGCCGAGAGACATCCTCCTAGATGAGAT
 CACCGAAGTGGCCTTGGAGTACAATAACTGTGATGGGACCAGGTGGTAGAGCGCCTCCTCAGCACCTG
 CGCGGGTAGAGGCACCTGTGCTCCAGTCCCTGGCACCAGAGCTGCCAGCTTCACTGCCTGATACTCAGC
 TGATGGCAGCATCCCCCTGCTGTAAACACGGTGGTGTGCCACAGGGGCCAGCCCTCCTCAGGACTCACA
 TGTCTGTGAGCTGTGTCAACCAGACAGTGGTGGTACCAGGCTAGCTCAGTGTGTTGCCACAGTGC
 AGCTTCTCGAGATGGCAGCCGCTCTGGATTCTTCTACCTCAAGGAGCAGACTTTTATCATGTGGTGT
 CGGGCAGCATAGAATGCAGCAATTTTTAACTCCTATAGCCCTTTCAGTACTACACTGCATGTGAGCAG
 GACCATATCCCGGGCATGGCAAGCTTTACTGGCTCTGAACAGAATGTCTTGACAGCCCCAGCCATCGAG
 TTCTTCTCCTTAGAGAAGAGCTGTGAGGCCACTGCCCGAGCTCCATTCTCACATTGAGGAGAACAGGT
 ACCGCTTCTCAAGTGGCCTCACTAGCACAGCCTTACGGGCCTGAGCTGCAGAACCAACAAGACCTT
 GAACATCTACCTTTGGATTCCAATTTATTTGGTTATATGCAGAAAGACTGGGTGCCCGAGCTGCTGCT
 CCTGTGAAGGAGTTGCCACAATGTTGATGTGAAAGAAGAATCTCACTATATCCTGGATCCCAAACAAG
 CCCTCATGAAGTCACTCTAGAGTCTTTTATTCAAACCTCAGTGTCTCTACAGCCCTTGAAAAGGCA
 TCTCACTGGAAGTGAATTGCTCAGTTTCCCACTCAGCATTGATCACGGAAGTACGACTGATACCTT
 TGGGAAGTAACCCTTCGAAACAGGACGTTCTGCTGCTCTATTATACACAGTGGTGTGGCTTTTGGCCGT
 CTCTCAATCACATCTTATCCAGCTAGCTCGGCTCCTGCCAGAGGACACATTTACTGTGGCCAGGATCGA
 TGTGTCTCAGAATGATCTTCTTGGGAATTCATGGTTGACCGTCTTCTACCGTTTTGTTTTTCCCTGC
 AATAGAAAAGGACCTAAGTGTGAAATACCCTGGAGACCTCCCTATCACCTCCCGAATCTGCTGCGGTTCA
 TTCTGCATCACTCAGACGCTGCCCTGCCCCCAGGACCTGGCATCAGCCCTCTACCCAAGACTGTGT
 CCAGAGCAAGGCAGTGTGCAGCGCAACACATCTCTCACGTGGAGAATGCGATGCAGAAGCTGAGATCT
 GAGATGAGCAGCTACGCCGTACACAGGAGCAGGTGGAGGGCAGGCTCCTTAGTCCCCGAGGGATGGGC
 ACCGCTGCTGCCCGGCAGCGGACCCTGGAGCAGCAGCACAGGCTACTCCGGCGCCACAGCCAGAAACT
 GCAGGCTCTGTATTTAAAGAAGGCTCGAGAGCTCCAAGAGCTGGCTAGAGCCTCAGGAACCCCTCCCC
 GAGCACACATGGCTCAAGATCCTTGTGGCACTATGGAGAGGGAGCTGGAAGGCCAAGGTGGGGCTAAGG
 AACCAGCCCTCTGGAAAGGCTCGACCGAACCACTCCAAGTCCATGGGTACAACCTCAGTTACCTGGTGA
 CACCCCTCCGCCCTCCACCAGCTCCACTTTGGCTTACAGAGCGAAGCATGAGAATAGGACAGACTAA
 CTTTTGAAGGAGCCAGAGGTGAAGACTGTACATTGGGAATATAGTTATGCAAATTTTATTGAAATTTATT
 GTAAATAAAGATCTTCTCAGTGGTCTACAAAATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: RsrII-NotI
ACCN: NM_029582
Insert Size: 2847 bp

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| OTI Disclaimer: | 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). |
| 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: | <ol style="list-style-type: none">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: | BC029643 , AAH29643 |
| RefSeq Size: | 3049 bp |
| RefSeq ORF: | 2847 bp |
| Locus ID: | 106200 |
| UniProt ID: | Q8K2W3 |
| Cytogenetics: | 16 A1 |
| Gene Summary: | May act as a redox regulator involved in DUOX proteins folding. The interaction with DUOX1 and DUOX2 suggest that it belongs to a multiprotein complex constituting the thyroid H ₂ O ₂ generating system. It is however not sufficient to assist DUOX1 and DUOX2 in H ₂ O ₂ generation (By similarity).[UniProtKB/Swiss-Prot Function] |