

Product datasheet for **MC205338**

Txndc5 (NM_145367) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Txndc5 (NM_145367) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Txndc5
Synonyms:	AL022641; ERp46; PC-TRP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC016252
 AGGGGACCCGCGGCACGAGCGAGAGCTCGCCAGCCCCGCCACGATGCCCCGCGCCCAGGACGCCTCCTC
 CAGCCGCTGGCCGGGCTGCCGGCCCTGGCCACGCTCCTGCTGCTGCTCGGGGCGCGCAAAGGCGCCCGG
 CCCAGGAGGTGGAAGCGGACAGCGGGGTCGAGCAGGACCCGCACGCCAAGCACCTGTATACGGCCGACAT
 GTTCACGCACGGGATCCAGAGCGCCGCGCACTTCGTATGTTCTTCGCGCCCTGGTGTGGACACTGCCAG
 CGGCTGCAGCCAACTTGAATGACCTGGGAGACAAGTACAACAGCATGGAGGATGCCAAGGTCTACGTGG
 CCAAAGTGGACTGCACGGCTGATTCGACGTGTGCTCTGCCAGGGAGTGCAGGATACCCACCCTGAA
 GTTTTTAAGCCTGGACAAGAAGCAGTGAAGTACCAGGGTCTAGAGACTTTGAAACACTGGAAAACCTGG
 ATGCTGCAGACACTGAACGAGGAGCCAGCCACACCCGAGCCGGAAGCGGAACACCAGAGCCCTTGAGC
 TCAAACAGGGGTTGTATGAGCTCTCGGCCAACAACTTTGAGTGCATGTTTCTCAAGGCAACCACCTTTAT
 CAAGTTCTTCGCTCCGTGGTGGTCACTGCAAAGCTCTGGTCCAACCTGGGAGCAGCTGGCTCTGGG
 CTTGAACATTCTGAAACCGTCAAGATTGGCAAGTTGACTGCACGCAGCACTACGCTGTCTGCTCAGAGC
 ATCAGGTGAGAGGCTATCCAACCTGCTCTGGTTTCGAGATGGCAAGAAGTGGATCAGTACAAGGGAAA
 GCGGGACTTGGAGTCACTGAGAGACTATGTGCAGTCCCAGCAGCAGGGTTCAGAGGCAGCTCCGGAGACT
 GTTGAGCCGTGAGAGCCCAAGTATGGTCTGAGCCACGGGTGACAAGGGCACTGTGCTGGCACTCA
 CCGAGAAGAGCTTCGAGGACACTATTGCACAGGGGATAACCTTCGTCAAGTTCTATGCTCCGTGGTGTGG
 CCACTGTAAAGAACTGGCTCCTACCTGGGAGGAGCTCTCTAAAAAGGAATTTCCAGGCTTGTGATGTC
 ACCATCGCAGAAGTGGACTGCACCGCTGAGCGCAATGTCTGCAGCAAGTACTCGGTACGAGGTTATCCCA
 CGTTGCTGCTTTTCCGAGGAGGTGAAAAAGTGGGAGAACAACAACGGAGGTAGAGACCTCGACTCCTTACA
 CAGCTTTGTTCTGCGCCAGGCAAAGGATGAACTATAGGAGACCCCGGGGAAGTCAATCCAGCTGGGCTTA
 GCGGTGACCTCACACAGACACAGTGTTCCTGAGTGGTGTAGTGCAGAAAGCTGAATGATTGAGCTGTG
 TTGCTTCTGTGTCTCTGAGCCACCACACTACGGACCTTAAGTTTCTTAATCATGGCTCACAGT
 CCCTGGGCAAACCAACGTTTTTCAGTGGCGATCCATCCTGTAACCTTCTCTTGACAGAATTAATTTGGC
 TCCTTTTGAACCTAAAAATACAGTCAAGGAAAGCCAAATTTGCTGAACTCTGCTGGCTCCAGGGATGTAA
 GGACATCATCTCGCAGGAGCAATTTGTTGCATTGCCTGAGTTTTGGGAAGGAGGCCTGCGGCACTGTTGA
 CTTAGTAAGGTGTCGGTCCATAGTGTACAGATTTCAAACAAGCCACAGAGCCCTGGAGATCCCTTC
 ATAGCCACTGCTGGGTTCTGGTCTCATTACTTCTAGTGGAGAGAGGTAAGCCATAACAATGGTAC
 TTCTGATGTGTGCCCCAAATACTCATGCTGTTCAAAGGATCCTTGTCTGCTTCGCATAGGGTGGAGTG
 TGGAGATGACGTCCTTGCAGAAAGGGAGGGTATGGGATGCACCACAAGTGGGTCCTCACCCGATAGG
 CTTTCCAGGTCCAAGGACCAGGAGTCTGTCAGCTCCTCTCGGGCCTTCTAGAAACAGCTTCTGATT
 CTCTTCTAAGTAGTCTTTTAGCAGCTCGCTTTATAATCTCCACCTTAAGGAGGCTGACCATCTCTCT
 AATGATTGAGCAGTGGGATTCATCTGACCTCCAGACCAAAGACTGCAGTGGCAGGGCTGCCCTTGCTTA
 GGAAGCCCAAGGTTGGATATCGCATGGCTACTTCCGGTTCGCCCTTCCAGGTTATTAGACGCCGCTGCT
 CGTAACTCTGTGAAGATGCAGCCACGTCATGCCTCTGTCTGTCTGTTCTCAGAACCACCTGTGTTGTG
 CCCAGGCCCTTACCTACCTCCCAGCAGCGGGGTGAAATCAGCACCTGGCACAAGACATGTAGCAAGGAG
 ACTTGAACCAGACCAGTCTGCTTCCAAAACATCAGGAGCAGAGGCGCCCGCCAGCCTGTTATGAACG
 TTTATTATTAATCACGTGTGGGTACAGCTGCTTGGAAACCAGTCTGTTGGCCAGCTCACAGTGGC
 TTCAGCTTAGCATCATGGTCTTATGAAAAGAAAACCAAGTGGTACAATTTGGTTTATACTTTCTAAA
 TAAACTTTTTTTTTTTTTAAAGAA

Restriction Sites: RsrII-NotI

ACCN: NM_145367

Insert Size: 1254 bp

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:

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: [BC016252](#), [AAH16252](#)

RefSeq Size: 2674 bp

RefSeq ORF: 1254 bp

Locus ID: 105245

UniProt ID: [Q91W90](#)

Cytogenetics: 13 A3.3

Gene Summary: Possesses thioredoxin activity. Has been shown to reduce insulin disulfide bonds. Also complements protein disulfide-isomerase deficiency in yeast.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).