

Product datasheet for MC227165

Txndc5 (NM_001289599) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Txndc5 (NM_001289599) Mouse Untagged Clone
Tag: Tag Free
Symbol: Txndc5
Synonyms: AL022641; ERp46; PC-TRP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227165 representing NM_001289599
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGTGGACTGCCAGCGGCTGCAGCCAACCTGGAATGACCTGGGAGACAAGTACAACAGCATGGAGG
 ATGCCAAGGTCTACGTGGCCAAAGTGGACTGCACGGCTGATCCGACGTGTGCTCTGCCAGGGAGTGCC
 AGGATACCCACCCTGAAGTTTTTTAAGCCTGGACAAGAAGCAGTGAAGTACCAGGGTCTAGAGACTTT
 GAAACTGGAAGTGGATGCTGCAGACTGAACGAGGAGCCAGCCACACCGGAGCCGGAAGCGGAAC
 CACCCAGAGCCCCTGAGCTCAAACAGGGTGTATGAGCTCTCGGCCAACAACTTTGAGCTGCATGTTTC
 TCAAGGCAACCACTTTATCAAGTTCTTCGCTCCGTGGTGCGGTCACTGCAAAGCTCTGGCTCCAACCTGG
 GAGCAGCTGGCTCTGGGCCTTGAACATTCTGAAACCGTCAAGATTGGCAAGGTTGACTGCACGCAGCACT
 ACGCTGTCTGCTCAGAGCATCAGGTCAGAGGCTATCCAACCTCTGCTCTGGTTTCGAGATGGCAAGAAGGT
 GGATCAGTACAAGGAAAGCGGGACTTGGAGTCACTGAGAGACTATGTGCAGTCCCAGCTGCAGGGTTCA
 GAGGCAGCTCCGAGACTGTTGAGCCGTGAGGCCCCAGTGTGCTGCTGAGCCCACGGGTGACAAGG
 GCACTGTGCTGGCACTCACCGAGAAGAGCTTTCGAGGACTATTGCACAGGGGATAACCTTCGTCAGTT
 CTATGCTCCGTGGTGTGGCCACTGTAAGAATCTGGCTCCTACCTGGGAGGAGCTCTCTAAAAGGAATTC
 CCAGGCTTGTGAGATGTACCATCGCAGAAGTGGACTGCACCGCTGAGCGCAATGTCTGCAGCAAGTACT
 CGGTACGAGGTTATCCCACGTTGCTGCTTTCCGAGGAGGTGAAAAAGTGGGAGAACACAACGGAGGTAG
 AGACCTCGACTCCTTACACAGCTTTGTTCTGCGCCAGGCAAGGATGAAC**TAG**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289599



[View online »](#)

Insert Size:	1035 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001289599.1</u> , <u>NP_001276528.1</u>
RefSeq Size:	2614 bp
RefSeq ORF:	1035 bp
Locus ID:	105245
UniProt ID:	<u>Q91W90</u>
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 (3) contains a distinct 5' UTR and coding region and represents translation initiation at a novel AUG, compared to variant 1. The resulting isoform (3) has a shorter N-terminus, compared to isoform 1.