

Product datasheet for **SC104036**

TXNDC17 (NM_032731) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TXNDC17 (NM_032731) Human Untagged Clone
Tag:	Tag Free
Symbol:	TXNDC17
Synonyms:	TRP14; TXNL5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032731, the custom clone sequence may differ by one or more nucleotides

ATGCCCCGCTATGAGGAGGTGAGCGTGTCCGGCTTCGAGGAGTTCACCGGGCCGTGGAACAGCACAATG
GCAAGACCATTTTCGCCTACTTTACGGGTTCTAAGGACGCCGGGGGAAAAGCTGGTGCCCCGACTGCGT
GCAGGCTGAACCAGTCGTACGAGAGGGGCTGAAGCACATTAGTGAAGGATGTGTGTTTCTACTGCCAA
GTAGGAGAAAAGCCTTATTGAAAGATCCAAATAATGACTTCAGAAAAAAGTAAAGTAAACAGCAGTGC
CTACACTACTTAAGTATGGAACACCTCAAAAAGTGGTAGAATCTGAGTGTCTTCAGGCCAACCTGGTGGA
AATGTTGTTCTCTGAAGATTAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032731 unedited <pre> CGGGCACTATTTGTATACGACTCACTATAGGGCGGCCGCGATTCCGGCACGAGGGGGGACC CAACCGCGGCGACCGGACGTGCACTCCTCCAGTAGCGGCTGCACGTCGTGCCAATGGCCC GCTATGAGGAGGTGAGCGTGTCCGGCTTCGAGGAGTTCACCGGGCCGTGGAACAGCACA ATGGCAAGACCATTTTCGCCTACTTTACGGGTTCTAAGGACGCCGGGGGAAAAGCTGGT GCCCCGACTGCGTGCAGGCTGAACCACTCGTACGAGAGGGGCTGAAGCACATTAGTGAAG GATGTGTGTTTCATCTACTGCCAAGTAGGAGAAAAGCCTTATTGGAAAGATCCAAATAATG ACTTCAGAAAAAAGTTGAAAGTAACAGCAGTGCCTACACTACTTAAGTATGGAACACCTC AAAACTGGTAGAATCTGAGTGTCTTCAGGCCAACCTGGTGGAATGTTGTTCTCTGAAG ATTAAGATTTTAGGATGGCAATCATGTCTTGATGTCTGATTTGTTCTAGTATCAATAAA CTGTATACTTGCTTTGAATTCATGTTAGCAATAAATGATGTTAAAAAAGTGGCATGTGTC TAAACAATAGAGTGCTATTAATAAGCCCATGAACCTTTAGTTTGCTGGTATACATGGAT ATTTTTAAGATATANAGAAGTCTTCAGAAATAGCAGTAAAGGCTCAAAGGAACGTATTCT TGAAGGTGACGGAATACCTAAAGTCTAAAGGTGCAGAGCACACCTTCCAAATCTCT CAAAGATCAGTATCTTTATTTAAGTTATCTCCATCTGCAAGGCACTGATGATATTCCTG AAACCCCTTTTGAATTTGGATGTANACCTCTCCTCCCACTGAGGAAAGAGTTGACCTCT AT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_032731
Insert Size:	1770 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:	<u>NM_032731.2</u> , <u>NP_116120.1</u>
RefSeq Size:	728 bp
RefSeq ORF:	372 bp
Locus ID:	84817
UniProt ID:	<u>Q9BRA2</u>
Cytogenetics:	17p13.1
Protein Families:	Druggable Genome

Gene Summary:

Disulfide reductase. May participate in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyze dithiol-disulfide exchange reactions. Modulates TNF-alpha signaling and NF-kappa-B activation. Has peroxidase activity and may contribute to the elimination of cellular hydrogen peroxide.[UniProtKB/Swiss-Prot Function]