

Product datasheet for **SC300577**

TXNDC8 (NM_001003936) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TXNDC8
Synonyms:	bA427L1.2; SPTRX-3; SPTRX3; TRX6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300577 representing NM_001003936. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTACAGATTATTAAGACACGAATGAATTTAAACATTTTGGACAGCTGCCGGACACAACTCGCA
GTGGTTCAATTTCTTCGAAACGGTGTGGTCCCTGCAAAAGGATGTTTCCTGTTTCCATGCTATGTCT
GTGAAATACCAAAATGTATTTTGTCTAATGTGGATGTGAACAATCTCCGGAGCTGGCTGAACTTGT
CACATCAAAACAATACCCACATTTTCAGATGTTCAAGAAAAGCCAGAAGGTAACCCTATTCTCAAGAATC
AAAAGAATAATTTGCTGTTATAGAAGTGGATTCATGAGCAACCTGTGCTTGCAGATGATGAAATGAG
TAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001003936
Insert Size:	348 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001003936.3</u>
RefSeq Size:	540 bp
RefSeq ORF:	348 bp
Locus ID:	255220
UniProt ID:	<u>Q6A555</u>
Cytogenetics:	9q31.3
Protein Families:	Druggable Genome
MW:	13.1 kDa
Gene Summary:	<p>May be required for post-translational modifications of proteins required for acrosomal biogenesis. May act by reducing disulfide bonds within the sperm.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (α). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. COMPLETENESS: complete on the 3' end.</p>