

Product datasheet for **SC304441**

TXNDC3 (NME8) (NM_016616) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TXNDC3 (NME8) (NM_016616) Human Untagged Clone
Tag:	Tag Free
Symbol:	TXNDC3
Synonyms:	CILD6; DNAI8; HEL-S-99; NM23-H8; sptrx-2; SPTRX2; TXNDC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC304441 representing NM_016616.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAAGCAAAAACGAGAAGTCCAGTTACAGACAGTCATCAATAATCAAAGCCTGTGGGATGAGATG
TTGCAGAACAAAGGCTTAACAGTGATTGATGTTTACCAAGCCTGGTGTGGACCTTGACAGAGCAATGCAA
CCTTTATTCAGAAAATTGAAAAATGAACCTGAACGAAGACGAAATTCGCAATTTTGCTGTCGAGAAAGCT
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GATTCAGAAGTTAGTGAAGAATCACCATGTGAAAGTGTCAGGAATTATACAGTATTGCTATTATCAAA
CCGGATGCTGTGATTAGTAAAAAGTTCTAGAAATTAAGAAAAATTACCAAGCTGGATTATTATA
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GATCAACCTGAGGTGGAAGCCAGGTTACACCTGGAATGATGAAGAACAAACAAGACAGTTTACAAGAA
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GAGGTTGTTAATAGACTCTTTGAGGATCCTGAGGAAAAC TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_016616

Insert Size: 1767 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:	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_016616.4</u>
RefSeq Size:	2327 bp
RefSeq ORF:	1767 bp
Locus ID:	51314
UniProt ID:	<u>Q8N427</u>
Cytogenetics:	7p14.1
Protein Families:	Druggable Genome
MW:	67.3 kDa
Gene Summary:	This gene encodes a protein with an N-terminal thioredoxin domain and three C-terminal nucleoside diphosphate kinase (NDK) domains, but the NDK domains are thought to be catalytically inactive. The sea urchin ortholog of this gene encodes a component of sperm outer dynein arms, and the protein is implicated in ciliary function. Mutations in this gene are implicated in primary ciliary dyskinesia type 6.[provided by RefSeq, Nov 2009]