

## Product datasheet for **RG214826**

### **TXNDC6 (NME9) (NM\_178130) Human Tagged ORF Clone**

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                         |
| Product Name:             | TXNDC6 (NME9) (NM_178130) Human Tagged ORF Clone                            |
| Tag:                      | TurboGFP                                                                    |
| Symbol:                   | TXNDC6                                                                      |
| Synonyms:                 | NM23-H9; NXL2; TXL-2; TXL2; TXNDC6                                          |
| Mammalian Cell Selection: | Neomycin                                                                    |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                                     |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                      |
| ORF Nucleotide Sequence:  | >RG214826 representing NM_178130<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTCAGTTCCAAAGGACTAACTGTTGTTGATGTCTATCAAGGCTGGTGTGGCCCTGCAAACCTGTGG  
 TGAGCCTCTTCCAGAAGATGAGGATCGAGGTCGGCCTGGACCTTCTGCACTTTCATTAGCAGAGGCAGA  
 TCGTCTTGATGTCCTCGAAAAGTACAGAGGGAAGTGCAGCCAACTTTCTGTTTTATGCAATTAAGAT  
 GAGGCTCTTTCTGATGAAGATGAATGTGTTTCCCATGGAAGAATAATGGTGAAGATGAGGACATGGTTT  
 CATCAGAGAGGACCTGTACCTTGGCCATCATTAAACCAGATGCAGTGGCCCATGGAAGACTGATGAGAT  
 TATCATGAAGATTCAGGAAGCTGGGTTTGAAATTCTAACAAATGAAGAGAGAACCATGACAGAGGCAGAA  
 GTGCGACTTTTCTACCAACACAAAGCTGGAGAGGAGGCATTTGAGAAGCTGGTACATCACATGTGCAGTG  
 GACCAAGCCACCTCCTGATCCTCACCAGGACTGAGGGCTTCGAGGACGTGGTCACTACCTGGCGAACCGT  
 CATGGGCCCCCGTGACCCCAATGTGGCCAGGAGGGAGCAGCCAGAAAGTCTCCGAGCTCAGTACGGCACA  
 GAAATGCCCTTCAATGCCGTCCATGGAAGCCGGGACAGAGAAGATGCTGACAGAGAACTGGCATTGCTCT  
 TCCCCAGTTTGAAATTTTCAGACAAAGATACAGAAGCCCTCAGGGTGAGTCCAGTACACAGCCAAGGTT  
 GAAGATCACTGACCTAGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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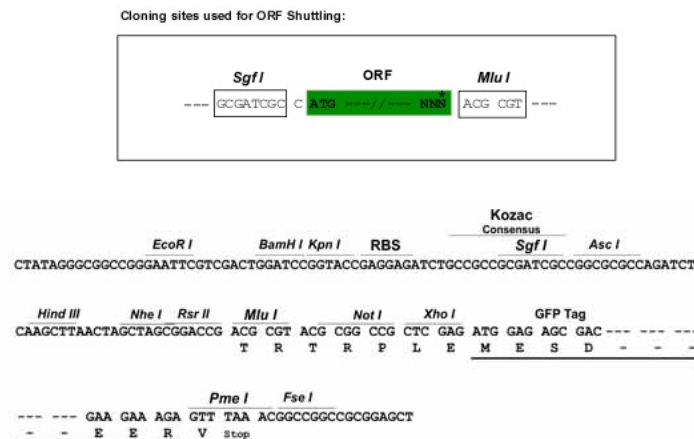
**Protein Sequence:** >RG214826 representing NM\_178130  
 Red=Cloning site Green=Tags(s)

MLSSKGLTVVDVYQGWCGPCKPVVSLFQKMRIEVLDLLHFALEADRLDVLEKYRGKCEPTFLFYAIKD  
 EALSDEDECVSHGKNNGEDEDVSSERTCTLAIIKPDVAHGKTDEIIMKIQEAGFEILTNEERTMTEAE  
 VRLFYQHKAGEEAFEKL VHHMCSGPSHLLILTRTEGFEDVTTWRTVMGPRDPNVARREQPESLRAQYGT  
 EMPFNAVHGSRDREDADRELALLFPSLKFSDKDTEAPQGESSTQPRLKITDLD

TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_178130

**ORF Size:** 789 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [NM\\_178130.4](#)

**RefSeq Size:** 2133 bp

**RefSeq ORF:** 792 bp

**Locus ID:** 347736

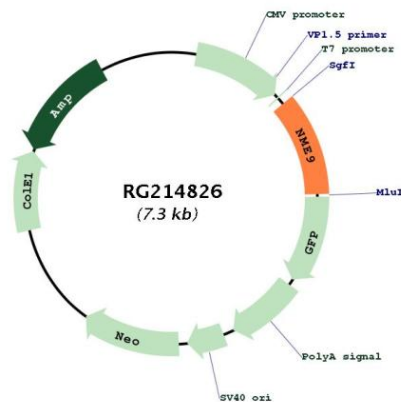
**UniProt ID:** [Q86XW9](#)

**Cytogenetics:** 3q22.3

**Protein Families:** Druggable Genome

**Gene Summary:** May be a regulator of microtubule physiology.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG214826