

Product datasheet for **RC214826**

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:	Myc-DDK
Symbol:	TXNDC6
Synonyms:	NM23-H9; NXL2; TXL-2; TXL2; TXNDC6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214826 representing NM_178130 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

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

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC214826 representing NM_178130
 Red=Cloning site Green=Tags(s)

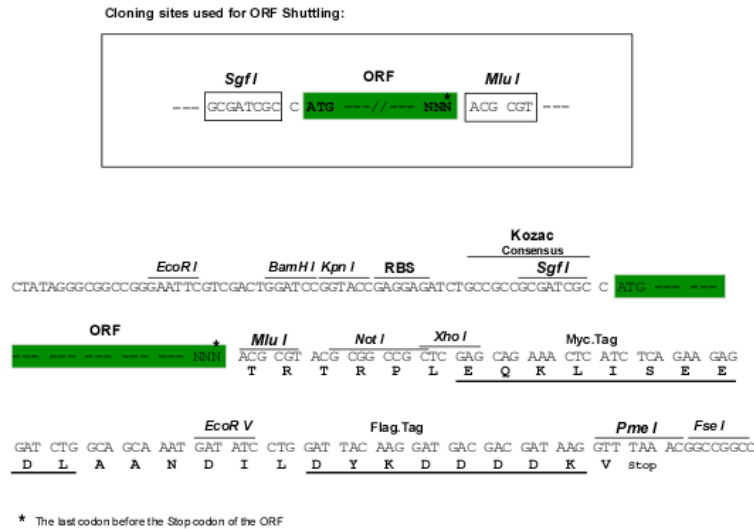
MLSSKGLTVVDVYQGWCGPCKPVVSLFQKMRIEVLDLLHFALAEADRLDVLEKYRGKCEPTFLFYAIKD
 EALSDDECVSHGKNGEDEDVSSERTCTLAIIKPDVAHGKTDEIIMKIQEAGFEILTNEERTMTEAE
 VRLFYQHKAGEEAFEKL VHHMCSGSPSHLLILTRTEGFEDVTTWRTVMGPRDPNVARREQPESLRAQYGT
 EMPFNAVHGSRDREDADRELALLFPSLKFSKDTAPQGESSTQPRLKITDLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8030_c06.zip

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_178130.4

RefSeq Size: 2133 bp

RefSeq ORF: 792 bp

Locus ID: 347736

UniProt ID: Q86XW9

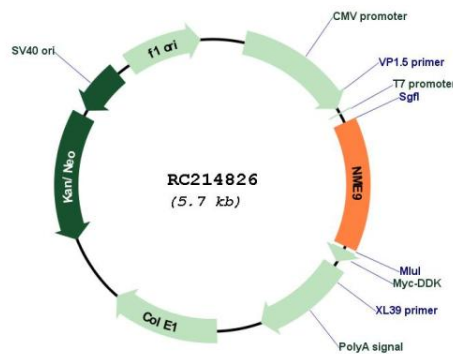
Cytogenetics: 3q22.3

Protein Families: Druggable Genome

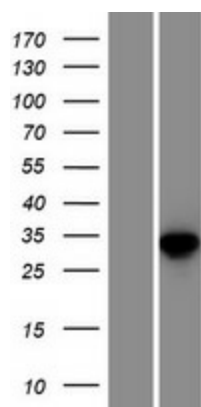
MW: 29.5 kDa

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

Product images:



Circular map for RC214826



Western blot validation of overexpression lysate (Cat# [LY405939]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214826 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).