OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC200799

TXNDC15 (NM_024715) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TXNDC15 (NM_024715) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TXNDC15
Synonyms:	BUG; C5orf14; UNQ335
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

```
>RC200799 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTCCCGGCTGCCGGTCGACGACCGCCCCGCGTCATGCGGCTCCTCGGCTGGTGGCAAGTATTGCTGT
GGGTGCTGGGACTTCCCGTCCGCGGCGTGGAGGTTGCAGAGGAAAGTGGTCGCTTATGGTCAGAGGAGCA
GCCTGCTCACCCTCTCCAGGTTGGGGCTGTGTACCTGGGTGAGGAGGAGCTCCTGCATGACCCGATGGGC
CAGGACAGGGCAGCAGAAGAGGCCAATGCGGTGCTGGGGCTGGACACCCAAGGCGATCACATGGTGATGC
TGTCTGTGATTCCTGGGGAAGCTGAGGACAAAGTGAGTTCAGAGCCTAGCGGCGTCACCTGTGGTGCTGG
AGGAGCGGAGGACTCAAGGTGCAACGTCCGAGAGAGCCTTTTCTCTCTGGATGGCGCTGGAGCACACTTC
CCTGACAGAGAAGAGGAGTATTACACAGAGCCAGAAGTGGCGGAATCTGACGCAGCCCCGACAGAGGACT
CCAATAACACTGAAAGTCTGAAATCCCCAAAGGTGAACTGTGAGGAGAGAAACATTACAGGATTAGAAAA
TTTCACTCTGAAAATTTTAAATATGTCACAGGACCTTATGGATTTTCTGAACCCAAACGGTAGTGACTGT
ACTCTAGTCCTGTTTTACACCCCGTGGTGCCGCTTTTCTGCCAGTTTGGCCCCTCACTTTAACTCTCTGC
CCCGGGCATTTCCAGCTCTTCACTTTTTGGCACTGGATGCATCTCAGCACAGCAGCCTTTCTACCAGGTT
TGGCACCGTAGCTGTTCCTAATATTTTATTATTTCAAGGAGCTAAACCAATGGCCAGATTTAATCATACA
GATCGAACACTGGAAACACTGAAAATCTTCATTTTTAATCAGACAGGTATAGAAGCCAAGAAGAATGTGG
TGGTAACTCAAGCCGACCAAATAGGCCCTCTTCCCAGCACTTTGATAAAAAGTGTGGACTGGTTGCTTGT
ATTTTCCTTATTCTTTTTAATTAGTTTTATTATGTATGCTACCATTCGAACTGAGAGTATTCGGTGGCTA
ATTCCAGGACAAGAGCAGGAACATGTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

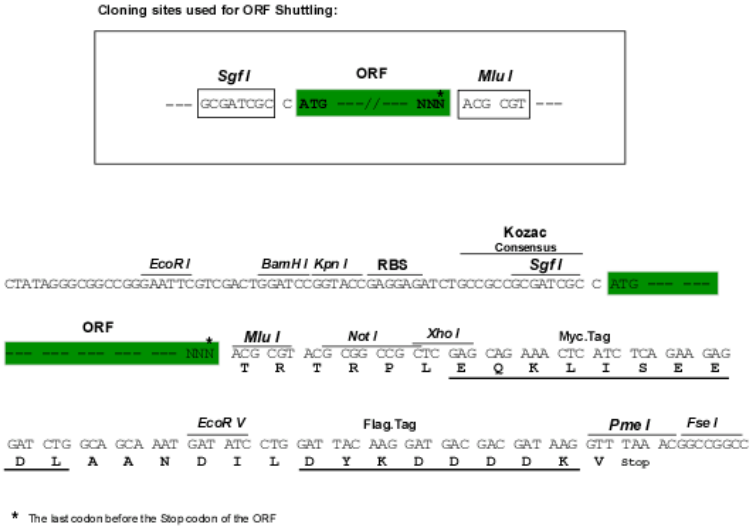
Protein Sequence:

```
>RC200799 protein sequence
Red=Cloning site Green=Tags(s)

MVPAAGRRPPRVMRLLGWWQVLLWVLGLPVRGVEVAEESGRLWSEEQPAHPLQVGAVYLGEEELLHDPMG
QDRAAEEANAVLGLDTQGDHMVMLSVIPGEAEDKVSSEPSGVTCGAGGAEDSRCNVRESLFSLDGAGAHF
PDREEEYYTEPEVAESDAAPTEDSNNTESLKSPKVNCEERNITGLENFTLKILNMSQDLMDFLNPNGSDC
TLVLFYTPWCRFSASLAPHFNSLPRAFPALHFLALDASQHSSLSTRFGTVAVPNILLFQGAKPMARFNHT
DRTLETLKIFIFNQTGIEAKKNVVVTQADQIGPLPSTLIKSVDWLLVFSLFFLISFIMYATIRTESIRWL
IPGQEQEHVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Chromatograms: https://cdn.origene.com/chromatograms/mk6408_g09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024715

ORF Size: 1080 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

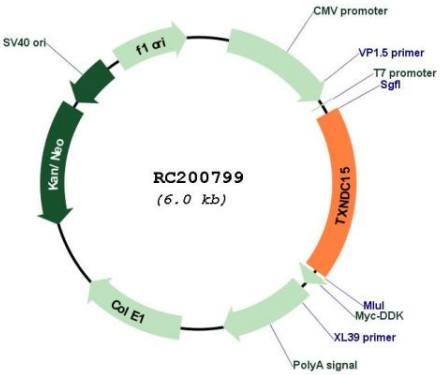
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

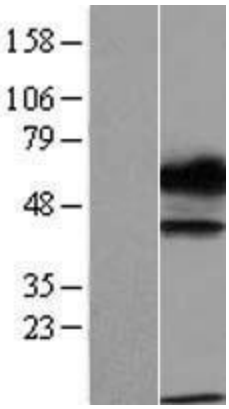
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_024715.4
RefSeq Size:	3689 bp
RefSeq ORF:	1083 bp
Locus ID:	79770
UniProt ID:	Q96J42
Cytogenetics:	5q31.1
Protein Families:	Druggable Genome, Transmembrane
MW:	39.9 kDa
Gene Summary:	This gene encodes a member of the thioredoxin superfamily. Members of this family are characterized by a conserved active motif called the thioredoxin fold that catalyzes disulfide bond formation and isomerization. [provided by RefSeq, Apr 2017]

Product images:

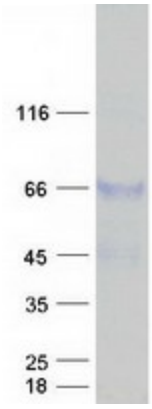


Circular map for RC200799

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



Western blot validation of overexpression lysate (Cat# [LY411115]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200799 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TXNDC15 protein (Cat# [TP300799]). The protein was produced from HEK293T cells transfected with TXNDC15 cDNA clone (Cat# RC200799) using MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US