

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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCCCGGCTGCCGGTCGACGACCGCCCGCGTCATGCGGCTCCTCGGCTGGTGGCAAGTATTGCTGT
GGGTGCTGGGACTTCCCGTCCGCGCGGTGGAGTTGCAGAGGAAAGTGGTCGTTATGGTCAGAGGAGCA
GCCTGCTCACCTCTCCAGGTTGGGGCTGTGTACCTGGGTGAGGAGGAGCTCCTGCATGACCCGATGGGC
CAGGACAGGGCAGCAGAAGAGGCCAATGCGGTGCTGGGGCTGGACACCCAAGCGATCACATGGTATGC
TGTCTGTGATTCTGGGAAGCTGAGGACAAAGTGAGTTCAGAGCCTAGCGGCGTCACCTGTGGTGTGG
AGGAGCGGAGGACTCAAGGTGCAACGTCCGAGAGAGCCTTTTCTCTGGATGGCGCTGGAGCACACTTC
CCTGACAGAGAAGAGGAGTATTACACAGAGCCAGAAGTGCGGAATCTGACGCAGCCCGACAGAGGACT
CCAATAACACTGAAAGTCTGAAATCCCCAAAGGTGAACCTGTGAGGAGAGAAAATTACAGGATTAGAAAA
TTTCACTCTGAAAATTTAAATATGTCACAGGACCTTATGGATTTTCTGAACCAACCGGTAGTGACTGT
ACTTAGTCTGTTTTACACCCCGTGGTGCCGCTTTTCTGCCAGTTTGGCCCTCACTTTAACTCTCTGC
CCCGGGCATTCCAGCTTTCACCTTTTGGCACTGGATGCATCTCAGCACAGCAGCCTTTCTACCAGTT
TGGCACCGTAGCTGTTCCATAATTTTATTATTTCAAGGAGCTAAACCAATGGCCAGATTTAATCATACA
GATCGAACACTGGAAACACTGAAAATCTCATTTTTAAATCAGACAGGTATAGAAGCAAGAAGAATGTGG
TGGTAACTCAAGCCGACCAAATAGGCCCTCTCCAGCACTTTGATAAAAAGTGTGGACTGGTTGCTTGT
ATTTTCTTATTCTTTTAAATTAGTTTTATTATGTATGCTACCATTCTGAAGTGGAGTATTCGGTGGCTA
ATTCCAGGACAAGAGCAGGAACATGTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC200799 protein sequence
Red=Cloning site Green=Tags(s)

MVPAAGRPRPRVMRLLGWWQVLLWVGLPVRGVEVAEESGRLWSEEQPAHPLQVGAVYLGEEELLHDPMG
 QDRAAEANAVLGLDTQGDHMVMLSVIPGEADKVSSEPSGVTCGAGGAEDSRCNVRESLFLSDGAGAHF
 PDREEEYYTEPEVAESDAAPTEDSNNTESLKS PKVNCEERNITGLENFTLKILNMSQDLMDFLNPNNGSDC
 TLVLFYTPWCRFSASLAPHFNSLPRAF PALHFLALDASQHSLSLSTRFGTVAVPNILLFQGAKPMARFNHT
 DRTLET LKIFIFNQTGIEAKKNVVVTQADQIGLPSTLIKSVDWLLVFLSLFFLISFIMYATIRTESIRWL
 IPGQEQEHVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKVV

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

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

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).

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_024715.4](#)

RefSeq Size: 3689 bp

RefSeq ORF: 1083 bp

Locus ID: 79770

UniProt ID: [Q96J42](#)

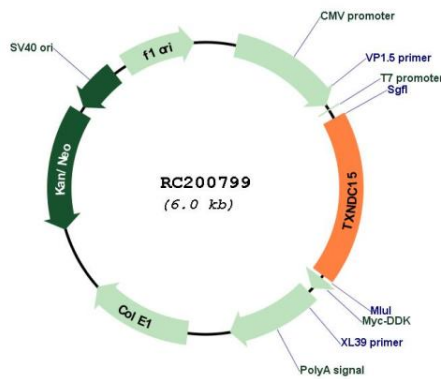
Cytogenetics: 5q31.1

Protein Families: Druggable Genome, Transmembrane

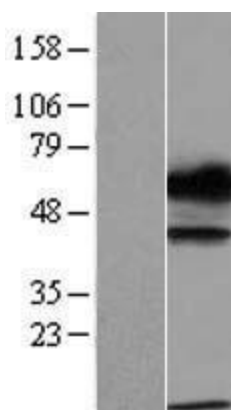
MW: 39.9 kDa

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]

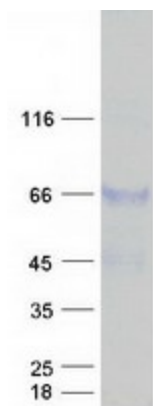
Product images:



Circular map for RC200799



Western blot validation of overexpression lysate (Cat# [LY411115]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected 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]).