

Product datasheet for **RG200799**

TXNDC15 (NM_024715) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TXNDC15 (NM_024715) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TXNDC15
Synonyms:	BUG; C5orf14; UNQ335
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200799 representing NM_024715 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCCCGGCTGCCGGTCGACGACCGCCCGGTCATGCGGCTCCTCGGCTGGTGGCAAGTATTGCTGT
GGGTGCTGGGACTTCCCGTCCGCGCGTGGAGTTGCAGAGGAAAGTGGTCGTTATGGTCAGAGGAGCA
GCCTGCTCACCTCTCCAGGTTGGGGCTGTGTACCTGGGTGAGGAGGAGCTCCTGCATGACCCGATGGGC
CAGGACAGGGCAGCAGAAGAGGCCAATGCGGTGCTGGGGCTGGACACCCAAGCGATCACATGGTATGC
TGTCTGTGATTCTGGGAAGCTGAGGACAAAGTGAGTTCAGAGCCTAGCGGCTCACCTGTGGTGTGG
AGGAGCGGAGGACTCAAGGTGCAACGTCCGAGAGAGCCTTTTCTCTGGATGGCGCTGGAGCACACTTC
CCTGACAGAGAAGAGGAGTATTACACAGAGCCAGAAGTGCGGAATCTGACGCAGCCCGACAGAGGACT
CCAATAACACTGAAAGTCTGAAATCCCCAAAGGTGAACCTGTGAGGAGAGAAAATTACAGGATTAGAAAA
TTTCACTCTGAAAATTTAAATATGTCACAGGACCTTATGGATTTTCTGAACCAACCGGTAGTGACTGT
ACTTAGTCTGTTTTACACCCCGTGGTGCCGCTTTTCTGCCAGTTTGGCCCTCACTTTAACTCTCTGC
CCCGGGCATTCCAGCTTTCACCTTTTGGCACTGGATGCATCTCAGCACAGCAGCCTTTCTACCAGTT
TGGCACCGTAGCTGTTCCATAATTTTATTATTTCAAGGAGCTAAACCAATGGCCAGATTTAATCATACA
GATCGAACACTGGAAACACTGAAAATCTTATTTTAAATCAGACAGGTATAGAAGCAAGAAGAATGTGG
TGGTAACTCAAGCCGACAAATAGGCCCTCTCCAGCACTTTGATAAAAAGTGTGGACTGGTTGCTTGT
ATTTTCTTATTCTTTTAAATTAGTTTTATTATGTATGCTACCATTCTGAAGTGGAGTATTCCGGTGGCTA
ATTCCAGGACAAGAGCAGGAACATGTGGAG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200799 representing NM_024715
 Red=Cloning site Green=Tags(s)

MVPAAGRPRPRVMRLLGWVQVLLWVGLPVRGVEVAEESGRLWSEEQPAHPLQVGAVYLGEELLHDPMG
 QDRAAEEANAVLGLDTQGDHVMVLSVIPGEAEDKVSSEPSGVTCGAGGAEDSRCNVRESLFLSDGAGAHF
 PDREEEYYTEPEVAESDAAPTEDSNNTESLKSPPKVNCEERNITGLENFTLKILNMSQDLMDFLNPNNGSDC
 TLVLFYTPWCRFSASLAPHFNSLPRAFPALHFLALDASQHSLSLSTRFGTVAVPNILLFQGAKPMARFNHT
 DRTLLETLKIFIFNQTGIEAKKNVVVTQADQIGPLPSTLIKSVDWLLVFLSLFFLISFIMYATIRTESIRWL
 IPGQEQEHVE

TRTRPLE - GFP Tag - V

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).

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_024715.3](#), [NP_078991.3](#)

RefSeq Size: 3689 bp

RefSeq ORF: 1083 bp

Locus ID: 79770

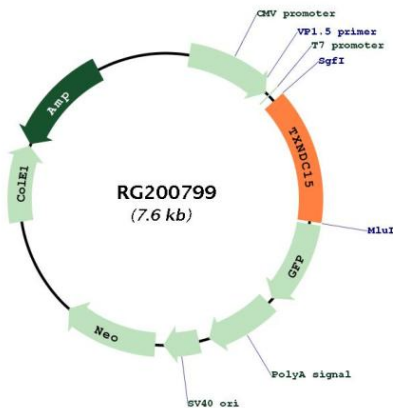
UniProt ID: [Q96J42](#)

Cytogenetics: 5q31.1

Protein Families: Druggable Genome, Transmembrane

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 RG200799