

Product datasheet for **RG203291**

Thioredoxin domain containing 9 (TXNDC9) (NM_005783) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thioredoxin domain containing 9 (TXNDC9) (NM_005783) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Thioredoxin domain containing 9
Synonyms:	APACD; PHLP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203291 representing NM_005783 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGCTGATGCATCTGTTGACATGTTTTCCAAAGTCCTGGAGCATCAGCTGCTTCAGACTACCAAAC
TGGTGAAGAACATTTGGATTCTGAAATTCAAAACTGGATCAGATGGATGAGGATGAATTGGAACGCCT
TAAAGAAAAGAGACTCCAGGCACTAAGGAAAGCTCAACAGCAGAAACAAGAATGGCTTTCTAAAGGACAT
GGGAATACAGAGAAATCCCTAGTAAAAGAGACTTTTTTCAAGAAGTCAAGGAGAGTGAAAATGTGGTTT
GCCATTTCTACAGAGACTCCACATTCAGGTGTAAAATACTAGACAGACATCTGGCAATATTGTCCAAGAA
ACACCTCGAGACCAAATTTTTGAAGCTGAATGTGGAAAAAGCACCTTTCCTTTGTGAGAGACTGCATATC
AAAGTCATTCCCACACTAGCACTGCTAAAAGATGGGAAAAACAAGATTATGTTGTTGGGTTTACTGACC
TAGGAAATACAGATGACTTCACCACAGAACTTTAGAATGGAGGCTCGGTTCTTCTGACATTCTTAATTA
CAGTGGAATTTAATGGAGCCACCATTTCAGAACCAAAGAAATTTGGAACAACTTCACAAAGCTGGAA
AAGAAAATATCCGAGGAAAGAAATATGATTCAGACTCTGATGATGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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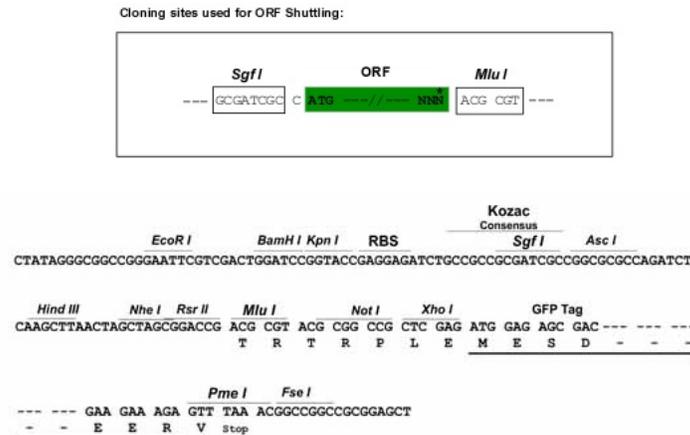
Protein Sequence: >RG203291 representing NM_005783
 Red=Cloning site Green=Tags(s)

MEADASVDMFSKVLHQLLQTTKLVEEHL DSEIQKLDQMD EDELERLKEKRLQALRKAQQKQEWLSKGH
 GEYREIPSERDFEQEVKESENVVCHFYRDSTFRCKILDRHLAILSKKHLETKFLKLNVEKAPFLCERLHI
 KVIPTLALLKDGKTQDYVVGFTDLGNTDDFTTETLEWRLGSSDILNYSGNLMEPPFQNKKFGTNFTKLE
 KKTIRGKKYDSDSDDD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005783

ORF Size: 678 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_005783.4](#)

RefSeq Size: 1556 bp

RefSeq ORF: 681 bp

Locus ID: 10190

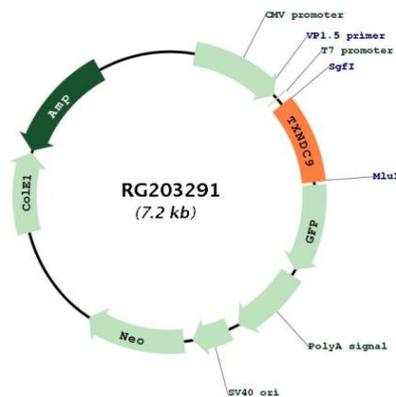
UniProt ID: [O14530](#)

Cytogenetics: 2q11.2

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene is a member of the thioredoxin family. The exact function of this protein is not known but it is associated with cell differentiation. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG203291