

Product datasheet for **RC203291**

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:	Myc-DDK
Symbol:	TXNDC9
Synonyms:	APACD; PHLP3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC203291 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGCTGATGCATCTGTTGACATGTTTTCAAAGTCCTGGAGCATCAGCTGCTTCAGACTACCAAAC
TGGTGAAGAACATTTGGATTCTGAAATCAAAAAGCTGGATCAGATGGATGAGGATGAATTGGAACGCCT
TAAAGAAAAGAGACTCCAGGCACTAAGGAAAGCTCAACAGCAGAAACAAGAAATGGCTTTCTAAAGGACAT
GGGAATACAGAGAAATCCCTAGTGAAAGAGACTTTTTTCAAGAAGTCAAGGAGAGTGAAAATGTGGTTT
GCCATTTCTACAGAGACTCCACATTCAGGTGTAATACTAGACAGACATCTGGCAATATTGTCCAAGAA
ACACCTCGAGACCAAATTTTGAAGCTGAATGTGGAAAAAGCACCTTTCCTTTGTGAGAGACTGCATATC
AAAGTCATTCCCACACTAGCACTGCTAAAAGATGGGAAAAACAAGATTATGTTGTTGGGTTTACTGACC
TAGGAAATACAGATGACTTCACCACAGAACTTTAGAATGGAGGCTCGGTTCTTCTGACATTCCTAATTA
CAGTGAAATTTAATGGAGCCACCATTTCAGAACAAAAGAAATTTGGAACAACTTCACAAAGCTGGAA
AAGAAAATATCCGAGGAAAGAAATATGATTCAGACTCTGATGATGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC203291 protein sequence
 Red=Cloning site Green=Tags(s)

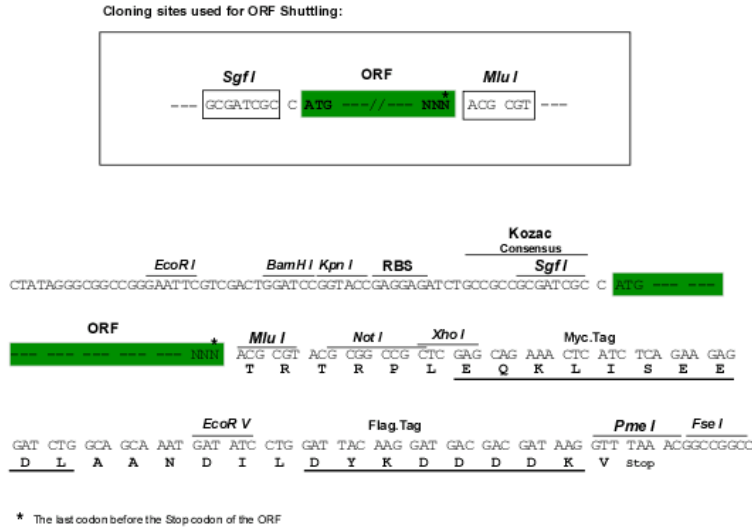
MEADASVDMFSKVLHQLLQTTKLVEEHL DSEIQKLDQMD EDELERLKEKRLQALRKAQQKQEWLSKGH
 GEYREIPSERDFEQEVSENVVCHFYRDSTFRCKILDRHLAILSKKHLETKFLKLNVEKAPFLCERLHI
 KVIPTLALLKDGKTQDYVVGFTDLGNTDDFTTETLEWRLGSSDILNYSGNLMEPPFQNKKFGTNFTKLE
 KKTIRGKKYDSDSDDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

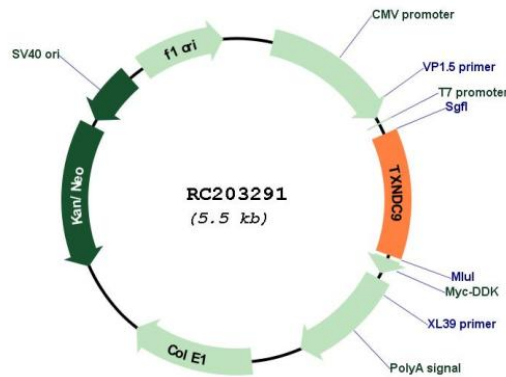
Chromatograms: https://cdn.origene.com/chromatograms/mk6416_h06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:

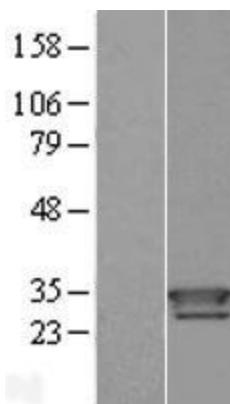


ACCN: NM_005783

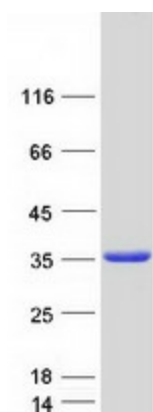
ORF Size: 678 bp

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.
RefSeq:	NM_005783.4
RefSeq Size:	1556 bp
RefSeq ORF:	681 bp
Locus ID:	10190
UniProt ID:	O14530
Protein Families:	Druggable Genome
MW:	26.5 kDa
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:



Western blot validation of overexpression lysate (Cat# [LY417071]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203291 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TXNDC9 protein (Cat# [TP303291]). The protein was produced from HEK293T cells transfected with TXNDC9 cDNA clone (Cat# RC203291) using MegaTran 2.0 (Cat# [TT210002]).