

Product datasheet for **MG211280**

Txndc11 (BC029643) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Txndc11 (BC029643) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Txndc11
Synonyms:	2810408E11Rik; AI427833; EFP1; Txdc11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211280 representing BC029643
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGAATGCGGAGGCCGCGGCGCGGCGGGAACAACAGCGAGGACGCCGAGGACGAGGGTGGCG
 GCCCAAGGGCTCAGGCTCCCTCAGCCCTGCCGGGGCGGCGGCTCCTTGAGGGCCGGATCCGCCGCGG
 CTTGCGCGGCGCCTCGCTTATGGCGCGCCAGCGCCAGAGCTGCTGTGCGGGGCGGTGGCTCTCGGCTGC
 GCCCTGCTCTTCGCCCTCAAGTTCACCTGCAGTCGAGCAAAAGACGTGATAATACCAGCAAAAGCCGCTG
 TCAGCTTTTTCTCCTCGAGATCTCCGGTCTTGACCTCTCCAGGGGACGCTGGACTATGCTGACCATGT
 CCGCCAGGATTCTGAGGTGGTGGTGTCTTCTTCTATGCCCGTGGTGTGGCCAGTCCATCGCTGCCAGG
 GCAGAAATTGAGCAGGCAGCCAGCCGGCTTCTGATCAGGTGTTGTTTGTGGCAATAAAGTGTGGTGA
 ACCAGGGGAAATGCAGAAAACAGAAGCATTCTTCTATTTTCTGTGATACATCTGTATCATCGGAGTTT
 TGGACCAATCGAATACAAAGGCCCATGAGTGTCTTACATTGAGAAGTTTGTCCGCCGGGCGATGAAG
 CGCTTCTCTACATCCCGTCTCAATCAGCATTGCTAGACTTTCTCTCCAGCTATGAGCCTGGAGTACTCG
 GATACTTTGAATTCAGCGGTTACCCCCAGCCTCCTGGTACTTGACCTTCTTACCTCAGCACTGCATTC
 GTTAAAGAAAGATTACCTAGGAACAGTGCATTTGGGGTTATCACAGATAAGCACCTTGCAGACTGGTA
 TCCTTAGTGCCTCTGGAAGTGTGATTTACATAGACATTTCAACACATCACTTGTCTTCCCCAGGGAAG
 TCATGAACTTCACGGCTGAGAACATCTATAAGTGGGCTCAGAAAACCAGGAGACCCTCTCCGATGGCT
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 TTTTTAACCTCTATAGCCCTTTCAGCTACTACACTGCATGTTGCAGGACCATATCCCGGGCATGGCAA
 GCTTTACTGGCTCTGAACAGAATGTCTTGACAGCCCCAGCCATCGAGTTCTTCTTCTAGAGAAGAGCTG
 TGAGGCCACTGCCCGAGCTCCATTCTCACATTGAGGAGAACAGGTACCGCTTCTCAAGTGGGCTC
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 ATTTATTTTGGTTATATGCAGAAAGACTGGGTGCCCGAGCTCTGCTCCTGTGAAGGAGTTTGCCACAAT
 TGGTGTGTGAAAGAAGATCTCACTATATCCTGGATCCCAAACAAGCCCTCATGAAGTTCCTCTAGAG
 TCTTTTATTCAAACCTTCACTGTTCTCTACAGCCCTTGAAGGAGCATCTCACTGGAAGTATTCTGCTC
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 GGACGTTCTGCTGCTCTATTATACACAGTGGTGTGGCTTTTGGCCGCTCTCAATCACATCTTCATCCAG
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 CTCGAGAGCTCCAAGAGCTGGCTAGAGCCTCAGGAACCCCTCCCGAGCACACATGGCTCAAGATCCT
 TGTGGCCACTATGGAGAGGGAGCTGGAAGGCCAAGGTGGGGCTAAGGAACCAGCCCTCTGGGAAAGGCT
 CGACCGAACCACTCCAAGTCCATGGGTACAACCTAGTTACCTGGTACACCCCTCCGCCCTCCACCACCA
 GCTCCACTTTGGCTTCAGAGACGAAGCATGAGAATAGGACAGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG211280 representing BC029643
Red=Cloning site Green=Tags(s)

MSECGGRGGGGNNSEDAEDEGGGPKGSGSLSPAGAAASLEGRIRRLRGASLMARQRPPELLCGAVALGC
 ALLFALKFTCSRAKDVIIPAKPPVSFFSSRSPVLDLFDGQLDYADHVRQDSEVVVLFYAPWCGQSI AAR
 AEIEQAASRLSDQVLFVAINCWVNQKCRKQKHFFYPVHLYHRSFGPIEYKGPMSAVYIEKFVRRAMK
 PLYIYPSQSALLDFLSSYEPGVLGYFEFSGSPQPPGYLTFFTSALHSLKKDYLGTVRFVGIIDKHLARLV
 SLVHSGSVYLHRHFNTSLVFPREVMNFTAENIYKWASENQETLFRWLQPHGGKSLLLNNELKKGPAFLF
 IPFDPLAERHPLLDEITEVALEYNNCHGDQVVERLLQHLRREAPVLQSLAPELPASLPDTQLMAASPC
 NTVVLPQGPALSRTHNVCEL CVNQTVGGTRPSSVSVQPQCSFFEMAAALDSFYLKEQTFYHVVSGSIECSN
 FLTSPSPFSYYTACCRTISRGMASFTGSEQNVL TAPAIEFSSLEKSCEATAPSSIPHIEENRYRFPQVGL
 TSTAFTGLSCRTNKT LNIYLLDSNLFWL YAERLGAPSSAPVKEFATIVDVKEESHYILDPKQALMKFTLE
 SFIQNFSVLYSPLKRHLTGSDSAQFPTQHLITEVTTDTFWEVTLRKQDVL LLYTQWCGFCPSLNHFIFIQ
 LARLLPEDTFTVARIDVSQNDLPWEFMVDRLPTVLPFCNRKDL SVKYPGDLPITLPNLLRFILHSDAA
 SAPQDPGISPPTQDCVQSKAVLQREHISHVENAMQKLRSEMSSLRRTQE QVEGRLLSARRDGHRLLRQR
 TLEQQHRLLRHSQKLQALYLKARELQELARASGTPLPEHTWLKILVATMERELEGQGGAKEPAPLGKA
 RPNHKSMTGTTQLPGDTPPPSTTSSTLASETKHENRTD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

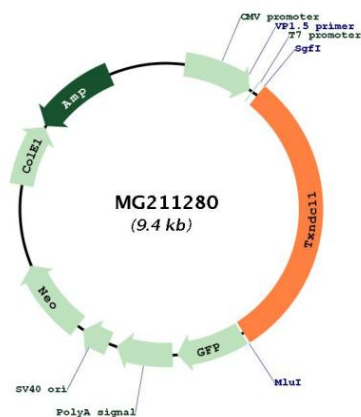


ACCN: BC029643

ORF Size: 2846 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:	<ol style="list-style-type: none"> 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:	BC029643 , AAH29643
RefSeq Size:	3049 bp
RefSeq ORF:	2846 bp
Locus ID:	106200
Cytogenetics:	16 A1
Gene Summary:	May act as a redox regulator involved in DUOX proteins folding. The interaction with DUOX1 and DUOX2 suggest that it belongs to a multiprotein complex constituting the thyroid H ₂ O ₂ generating system. It is however not sufficient to assist DUOX1 and DUOX2 in H ₂ O ₂ generation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG211280

