

Product datasheet for **RG214920**

TOX2 (NM_032883) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOX2 (NM_032883) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TOX2
Synonyms:	C20orf100; dj495O3.1; dj1108D11.2; GCX-1; GCX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG214920 representing NM_032883
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTGACGAAACCCAGAGCTCTGTCAACCAGCCAGACCTACAACGCCAGAGCGAGAACAACGAAG
 ACTATGAGATCCCCCGATAACACCTCCCAACCTCCCGGAGCCATCCCTCCTGCACCTGGGGACCACGA
 AGCCAGCTACCACTCGTGTGCCACGGCTCACCCCCAACGGTCTGCTCCCTGCCTACTCTATCAGGCC
 ATGGACCTCCCAGCCATCATGGTGTCCAACATGCTAGCACAGGACAGCCACCTGTGTGGGCCAGCTGC
 CCACGATCCAGGAGATGGTCCACTCGGAAGTGGTGCCTATGACTCGGGCCGGCCGGGCCCTGCTGGG
 TCGCCCGCAATGCTGGCCAGCCACATGAGTGCCTCAGCCAGTCCAGCTCATCTGCAGATGGGCATC
 CGGAGCAGCATCGCCACAGCTCCCATCACCGCCGGGAGCAAGTCAGCGACCCCTCTCCCTCCAGCT
 CCACTCAGGAAGAGGAGTCGGAAGTGCATTTCAAGATCTCGGGAGAAAAGAGACCTTCAGCCGACCCAGG
 AAAAAAGGCCAAGAACCAGGAAGAAGAAAAAGAAAGACCCCAATGAGCCGAGAAGCCTGTGTGCCCC
 TACGCACTCTTTCAGAGACACTCAGGCGCCATCAAGGGTCAAGACCCAGTGCACCTTCGGTGACG
 TGTCAAAATCGTGGCCTCCATGTGGGACAGCCTGGGAGAGGAACAGAAGCAGGCCTACAAGAGGAAGAC
 AGAAGCAGCAAAGAAGGAATATCTGAAGGCCCTGGCAGCCTACCGGGCTAGCCTCGTCTCCAAGAGCTCC
 CCAGATCAAGGTGAGACCAAGAGCACTCAGGCAAACCCACCAGCCAAAATGCTCCACCCAAGCAGCCCA
 TGTATGCCATGCCAGGCCTGGCTCCTTCTGACGCCGTGGACCTGCAGGCCTCCGCACTGGGGCCTC
 CCCTGCCAGCCTCGCCGGACGCTGGGCTCCAAGTCTCTGCTGCCAGGCCTCAGTGGTCCCCGCCGCCG
 CCACCTCCTTCCCGCTCAGCCCCACACTGCACCAGCAGCTGTCACTGCCCCCTCAGCCAGGGCGCCC
 TCCTCAGTCCACCTGTTAGCATGTCCCCAGCCCCAGCCCCCTGTCTGCCACCCCAATGCCACTCCA
 GTGTCAGCTGGCGATGAGCCCCCTCACCTCCAGGGCCACAGGACTTCCCGCACATCTCTGAGTTCCCCAGC
 AGCTCGGGATCCTGCTCACCTGGCCATCCAACCCACCAGCAGCGGGGACTGGGACAGCAGCTACCCCA
 GTGGGGAGTGTGGCATCAGCACCTGCAGCCTGCTCCCCAGGGACAATCGCTCTACCTCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG214920 representing NM_032883
 Red=Cloning site Green=Tags(s)

MSDGNPELLSTSQTYNGQSENNEDYEIPPITPPNLPPEPSSLHLGDHEASYHSLCHGLTPNGLLPAYSQQA
 MDLPAIMVSNMLAQDSHLLSGQLPTIQEMVHSEVAAYDSGRPGPLLGRPAMLASHMSALSQSQIISQMG
 RSSIAHSSPSPGSKSATPSPSSSTQEESEVHFKISGEKRPSADPGKKAKNPKKKKKDPNEPQKPVSA
 YALFFRDTQAAIKGQNPSTAFGDVSKIIVASMWDSL GEEQKQAYKRKTEAAKKEYLKALAAAYRASLVSKSS
 PDQGETKSTQANPPAKMLPPKQPMYAMPGLASFLTPSDLQAFRSGASPLARTLGSKSLPLGLSASPPP
 PPSFPLSPTLHQQLSLPPHAQGALLSPPVSMSPAPQPPVLPMPALQVQLAMSPSPPGPQDFPHISEFPP
 SSGSCSPGPSNPTSSGDWSSYPSGECGISTCSLLPRDKSLYLT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_032883

ORF Size: 1392 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_032883.3](#)

RefSeq Size: 2533 bp

RefSeq ORF: 1395 bp

Locus ID: 84969

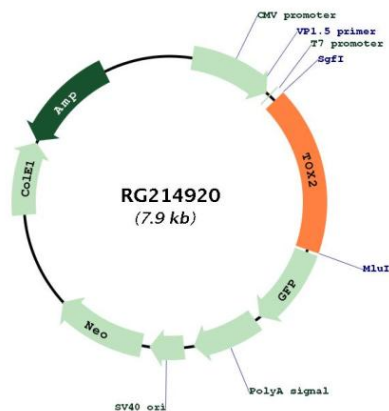
UniProt ID: [Q96NM4](#)

Cytogenetics: 20q13.12

Protein Families: Transcription Factors

Gene Summary: Putative transcriptional activator involved in the hypothalamo-pituitary-gonadal system.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG214920