

Product datasheet for **RG211560**

TOX2 (NM_001098796) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOX2 (NM_001098796) 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)



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ORF Nucleotide Sequence:

>RG211560 representing NM_001098796
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTGACGGAAACCCAGAGCTCTGTCAACCCAGCCAGACCTACAACGGCCAGAGCGAGAACAACGAAG
 ACTATGAGATCCCCCGATAACACCTCCCAACCTCCCGGAGCCATCCCTCCTGCACCTGGGGACCACGA
 AGCCAGCTACCACTCGTGTGCCACGGCTCACCCCCAACGGTCTGCTCCCTGCCTACTCTATCAGGCC
 ATGGACCTCCCAGCCATCATGGTGTCCAACATGCTAGCACAGGACAGCCACCTGTGTGGGCCAGCTGC
 CCACGATCCAGGAGATGGTCCACTCGGAAGTGGTGCCTATGACTCGGGCCGGCCGGGCCCTGCTGGG
 TCGCCCGCAATGCTGGCCAGCCACATGAGTGCCTCAGCCAGTCCAGCTCATCTGCAGATGGGCATC
 CGGAGCAGCATCGCCACAGCTCCCATCACCGCCGGGAGCAAGTCAGCGACCCCTCTCCCTCCAGCT
 CCACTCAGGAAGAGGAGTCGGAAGTGCATTTCAAGATCTCGGGAGAAAAGAGACCTTCAGCCGACCCAGG
 AAAAAAGGCCAAGAACCAGGAAGAAGAAAAAGAAAGACCCCAATGAGCCGAGAAGCCTGTGTGCCCC
 TACGCACTCTTTCAGAGACACTCAGGCGCCATCAAGGGTCAAGACCCAGTGCACCTTCGGTGACG
 TGTCAAAATCGTGGCCTCCATGTGGGACAGCCTGGGAGAGGAACAGAAGCAGGCCTACAAGAGGAAGAC
 AGAAGCAGCAAAGAAGGAATATCTGAAGGCCCTGGCAGCCTACCGGGCTAGCCTCGTCTCCAAGAGCTCC
 CCAGATCAAGGTGAGACCAAGAGCACTCAGGCAAACCCACCAGCCAAAATGCTCCACCCAAGCAGCCCA
 TGTATGCCATGCCAGGCCTGGCTCCTTCTGACGCCGTGGACCTGCAGGCCTCCGCAGTGGGGCCTC
 CCCTGCCAGCCTCGCCGGACGCTGGGCTCCAAGTCTCTGCTGCCAGGCCTCAGTGGTCCCCGCCGCCG
 CCACCTCCTTCCCGCTCAGCCCCACACTGCACCAGCAGCTGTACTGCCCCCTCAGCCAGGGCGCCC
 TCCTCAGTCCACCTGTTAGCATGTCCCCAGCCCCAGCCCCCTGTCTGCCACCCCAATGCCACTCCA
 GTGTCAGCTGGCGATGAGCCCCCTCACCTCCAGGGCCACAGGACTTCCCGCACATCTCTGAGTTCGCCAG
 AGCTCGGGATCCTGCTCACCTGGCCATCCAACCCACCAGCAGCGGGGACTGGGACAGCAGCTACCCCA
 GTGGGAGTGTGGCATCAGCACCTGCAGCCTGCTCCCCAGGGACAATCGCTCTACCTCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG211560 representing NM_001098796
 Red=Cloning site Green=Tags(s)

MSDGNPELLSTSQTYNGQSENNEDYEIPPITPPNLPESLLHLGDHEASYHSLCHGLTPNGLLPAYSYQA
 MDLPAIMVSNMLAQDSHLLSGQLPTIQEMVHSEVAAYDSGRPGPLLGRPAMLASHMSALSQSQQLISQMG
 RSSIAHSSPSPPGSKSATPSPSSSTQEESEVHFKISGEKRPSADPGKKAKNPKKKKKDPNEPQKPVSA
 YALFFRDTQAAIKGQNPSTATFGDVSKIIVASMWDSL GEEQKQAYKRKTEAAKKEYLKALAAAYRASLVSKSS
 PDQGETKSTQANPPAKMLPPKQPMYAMPGLASFLTPSDLQAFRSGASPA LARTLGSKSLPLGLSASPPP
 PPSFPLSPTLHQQLSLPPHAQGALLSPPVSMSPAPQPPVLPMPALQVQLAMSPSPPGPQDFPHISEFPS
 SSGSCSPGPSNPTSSGDWDSSYPGECGISTCSLLPRDKSLYLT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<u>NM_001098796.2</u>
RefSeq Size:	2433 bp
RefSeq ORF:	1395 bp
Locus ID:	84969
UniProt ID:	<u>Q96NM4</u>
Cytogenetics:	20q13.12
Protein Families:	Transcription Factors
Gene Summary:	Putative transcriptional activator involved in the hypothalamo-pituitary-gonadal system. [UniProtKB/Swiss-Prot Function]