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Product datasheet for SC123067

TOX2 (NM_032883) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOX2 (NM_032883) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOX2
Synonyms:	C20orf100; dJ495O3.1; dJ1108D11.2; GCX-1; GCX1
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_032883 edited
CGCAGCCCTGGCGCAGACGCGTGGGCTCCGTGGCGATGCGGGGTGTTGCCTGAGGCTCCA
CTGAAGCTATGGCATAATTTGCAGAATTTGCACTTCATTACTTTTCTGAAATTCAAACAA
ATTCTGAAACTGCACGAGTTCTGGCTGAGAGCTGTGGATCTGTGCATTTTGATGGTGACA
GTGCCTACGTGGGGATGAGTGACGGAAACCCAGAGCTCCTGTCAACCAGCCAGACCTACA
ACGGCCAGAGCGAGAACAACGAAGACTATGAGATCCCCCCGATAACACCTCCCAACCTCC
CGGAGCCATCCCTCCTGCACCTGGGGGACCACGAAGCCAGCTACCACTCGCTGTGCCACG
GCCTCACCCCCAACGGTCTGCTCCCTGCCTACTCCTATCAGGCCATGGACCTCCCAGCCA
TCATGGTGTCCAACATGCTAGCACAGGACAGCCACCTGCTGTCGGGCCAGCTGCCCACGA
TCCAGGAGATGGTCCACTCGGAAGTGGCTGCCTATGACTCGGGCCGGCCCGGGCCCCTGC
TGGGTCGCCCGGCAATGCTGGCCAGCCACATGAGTGCCCTCAGCCAGTCCCAGCTCATCT
CGCAGATGGGCATCCGGAGCAGCATCGCCCACAGCTCCCCATCACCGCCGGGGAGCAAGT
CAGCGACCCCCTCTCCCTCCAGCTCCACTCAGGAAGAGGAGTCGGAAGTGCATTTCAAGA
TCTCGGGAGAAAAGAGACCTTCAGCCGACCCAGGAAAAAAGGCCAAGAACCCGAAGAAGA
AGAAAAAGAAGGACCCCAATGAGCCGCAGAAGCCTGTGTCGGCCTACGCACTCTTCTTCA
GAGACACTCAGGCCGCCATCAAGGGTCAGAACCCCAGTGCCACTTTCGGTGACGTGTCCA
AAATCGTGGCCTCCATGTGGGACAGCCTGGGAGAGGAACAGAAGCAGGCCTACAAGAGGA
AGACAGAAGCAGCAAAGAAGGAATATCTGAAGGCCCTGGCAGCCTACCGGGCTAGCCTCG
TCTCCAAGAGCTCCCCAGATCAAGGTGAGACCAAGAGCACTCAGGCAAACCCACCAGCCA
AAATGCTCCCACCCAAGCAGCCCATGTATGCCATGCCAGGCCTGGCCTCCTTCCTGACGC
CGTCGGACCTGCAGGCCTTCCGCAGTGGGGCCTCCCCTGCCAGCCTCGCCCGGACGCTGG
GCTCCAAGTCTCTGCTGCCAGGCCTCAGTGCGTCCCCGCCGCCGCCACCCTCCTTCCCGC
TCAGCCCCACACTGCACCAGCAGCTGTCACTGCCCCCTCACGCCCAGGGCGCCCTCCTCA
GTCCACCTGTTAGCATGTCCCCAGCCCCCCAGCCCCCTGTCCTGCCCACCCCCATGGCAC
TCCAGGTGCAGCTGGCGATGAGCCCCTCACCTCCAGGGCCACAGGACTTCCCGCACATCT
CTGAGTTCCCCAGCAGCTCGGGATCCTGCTCACCTGGCCCATCCAACCCCACCAGCAGCG
GGGACTGGGACAGCAGCTACCCCAGTGGGGAGTGTGGCATCAGCACCTGCAGCCTGCTCC
CCAGGGACAAATCGCTCTACCTCACCTAATCCCGCCTCCCTACCATCCCTGAGGCTCGCT
GGAAGGCACTGCTCAGAGCCTGAAGGGCTGACAGCAGAAAAGAGGCCCTGGCCAGAGGCA
GGGTGGCCCATCGGAGAGAGCAGTGACACACCCATTGCCCGGGGGCTGAGTCTCTTCCTC
AACCTCCCACCAGACTCTGCAGAGGCAGCCCACTGCCCACCACCAGCCCAAAGAACCTGC
AGGAACCTTCCGCCCGCTGACCTGCTTGCTCCAGGGTAACTGTGGACCCTGTCCTCGCCC
TGCGCACGGTACCCTATGTCTGGACACCCGGCCCCAGCTCCAGCCCCAGCCCAGGTGGGC
CGCCCCTGGCGGGGTCGCTTACCAACGGACACCCACCCCAGATGCATGGGCCAGAGGGCC
GGCCCCCGGCATAGATGTGCACATCGGTTTTCCAGTGTGAACAAAAGATTACGAAACCTA
GAAACTGTTGGTTCCGTGTAAGTAGTTGACTACGTGTTTTAGAACTGTGCTGAAGACATC
TGTAAGACTATTTTGTGGGGGAAAAAAGTAGTTTCCTTTAAGGTAAAAAGCATTTTATAT
GATCCTTAGCACATTTTTAAGTTTTATCTTAAGGGAGACGCGCACAAAAGCGGCTGCCAA
ACCGTTTCGTCATCCTCACAGCAAGGACCGGACGCTTGCTAGCCACCCCGGAGCACTGCT
CTCCTTTTAATCATGTATTCATCTATTTTAAATTGCCGGCGACGACTTTTGTCTATTTAT
GAAGAAACCTTGAGAACGAAGTTACAGCTTATCCTACCGTGTGTGTGGTTTTGGGGTTTC
GTTTGGGTTTGGGTTCTTGACGTCGTTTGCAGCTGTTTCCTGGCCCTGGCGAGTGTCTGT
CTTGGTGCCCAGTGCTTCTCTCAAATCTCTTTATAATAAAACTTCTGAAAAGCTGAAAAA
AAAAAAAAAAAA

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_032883 unedited
CGTACAACATTTGTCATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGCGCAGCC
CTGGCGCAGACGCGTGGGCTCCGTGGCGATGCGGGGTGTTGCCTGAGGCTCCACTGAAGC
TATGGCATAATTTGCAGAATTTGCACTTCATTACTTTTCTGAAATTCAAACAAATTCTGA
AACTGCACGAGTTCTGGCTGAGAGCTGTGGATCTGTGCATTTTGATGGTGACAGTGCCTA
CGTGGGGATGAGTGACGGAAACCCAGAGCTCCTGTCAACCAGCCAGACCTACAACGGCCA
GAGCGAGAACAACGAAGACTATGAGATCCCCCCGATAACACCTCCCAACCTCCCGGAGCC
ATCCCTCCTGCACCTGGGGGACCACGAAGCCAGCTACCACTCGCTGTGCCACGGCCTCAC
CCCCAACGGTCTGCTCCCTGCCTACTCCTATCAGGCCATGGACCTCCCAGCCATCATGGT
GTCCAACATGCTAGCACAGGACAGCCACCTGCTGTCGGGCCAGCTGCCCACGATCCAGGA
GATGGTCCACTCGGAAGTGGCTGCCTATGACTCGGGCCGGCCCGGGCCCCTGCTGGGTCG
CCCGGGCATGCTGGCCAGCCACATGAGTGCCCTCAGCCAGTCCCAGCTCATCTCGCAGAT
GGGCATCCGGAGCAGCATCGCCCACAGCTCCCCATCACCGCCGGGGAGCAAGTCAGCGAC
CCCCTCTCCCTCAGCTCACTCAAGAAGAGGATCCGAAGTGCATTTCAGATCTCGGGAGAA
AAGAAACTTCAGCCGACCCAGGAAAAAGCCAAGACCCCGAGAAAAGAAAAGAAAGACCCC
ATGAGCCCCAAACCCTGGGTCGGCCTACCACTCTTTTTAAAGAACTAAGCCGCCTCAAGG
TTAAGACCCAATGGCC
```

Restriction Sites: Please inquire

ACCN: NM_032883

Insert Size: 2533 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_032883.1, NP_116272.1

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]
Transcript Variant: This variant (3) has multiple differences in the presence and absence of exons at its 5' end, compared to variant 1. These differences produce a unique 5' UTR and cause translation initiation at a downstream start codon, compared to variant 1. The encoded protein (isoform c) is shorter than isoform a. Both variants 3 and 4 encode isoform c.