

Product datasheet for **SC316531**

TOX2 (NM_001098796) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOX2 (NM_001098796) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOX2
Synonyms:	C20orf100; dj495O3.1; dj1108D11.2; GCX-1; GCX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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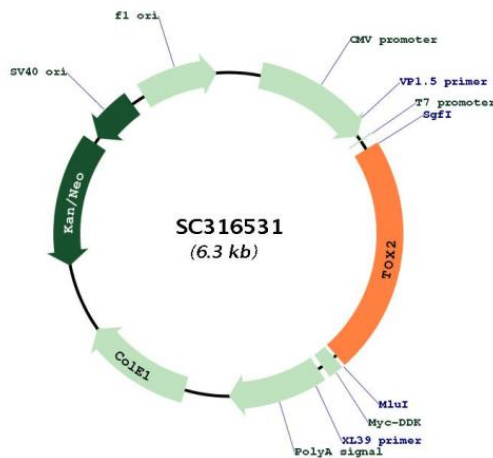
Fully Sequenced ORF: >SC316531 representing NM_001098796.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTGACGGAAACCCAGAGCTCCTGTCAACCAGCCAGACCTACAACGGCCAGAGCGAGAACAACGAA
GACTATGAGATCCCCCGATAACACCTCCAACCTCCCGAGCCATCCCTCCTGCACCTGGGGGACCAC
GAAGCCAGCTACCCTCGCTGTGCCACGGCCTACCCCAACGGTCTGCTCCCTGCTACTCCTATCAG
GCCATGGACCTCCAGCCATCATGGTGTCCAACATGCTAGCACAGGACAGCCACCTGCTGTCTGGGCCAG
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TGGGACAGCAGCTACCCAGTGGGGAGTGTGGCATCAGCACCTGCAGCCTGCTCCCAGGGACAAATCG
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001098796

Insert Size: 1395 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_001098796.1
RefSeq Size:	2433 bp
RefSeq ORF:	1395 bp
Locus ID:	84969
UniProt ID:	Q96NM4
Cytogenetics:	20q13.12
Protein Families:	Transcription Factors
MW:	49.1 kDa
Gene Summary:	<p>Putative transcriptional activator involved in the hypothalamo-pituitary-gonadal system. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) contains an alternate exon at its 5' end, which produces a unique 5' UTR and causes 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.</p>