

Product datasheet for **SC315805**

TOX3 (NM_001080430) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOX3 (NM_001080430) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOX3
Synonyms:	CAGF9; TNRC9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

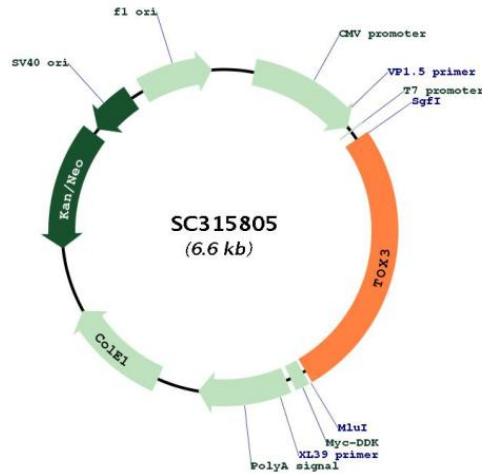


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Fully Sequenced ORF: >SC315805 representing NM_001080430.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATGTGAGGTTCTACCCCGGGCGGGGACCCGTCAGCCTGGACTTCGCGCAGTGCCTGGGG
TACTACGGCTACAGCAAGTTTGGAAATAATAAATACTATATGAATATGGCTGAGGCGAACAAATGCGTTC
TTCGCTGCCAGTGAAGCAGACATTCCACACACCAAGCCTTGGGGACGAGGAATTCGAAATTCACCAATC
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CAGCAGCAACTCCAGCAGCACCAATGCATCAGCAATCCAGCAGCAGATGCAGCAGCAGCATTTCAG
CACCACATGCAGCAGCACCTGCAGCAGCAGCAGCAGCATCTCCAGCAGCAAAATTAACAGCAGCTG
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CCTCGGCAGCACTCCCTGTGCGCTCTCAGATAACATCCCCATCCCTGCCATCGGGAGCCCCAGCCA
GCCTCTCAGCAGCACCAGTCGAAATACAGTCTCAGACACAGACTCAAGTATTATCGCAGGTCAGTATT
TTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001080430

Insert Size: 1731 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:

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_001080430.3](#)

RefSeq Size: 4711 bp

RefSeq ORF: 1731 bp

Locus ID: 27324

UniProt ID: [O15405](#)

Cytogenetics: 16q12.1

MW: 63.3 kDa

Gene Summary: The protein encoded by this gene contains an HMG-box, indicating that it may be involved in bending and unwinding of DNA and alteration of chromatin structure. The C-terminus of the encoded protein is glutamine-rich due to CAG repeats in the coding sequence. A minor allele of this gene has been implicated in an elevated risk of breast cancer. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Apr 2009]
Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.