

Product datasheet for **SC304723**

STOX2 (NM_020225) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	STOX2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >SC304723 representing NM_020225.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGAAGACCCGAGCACAACCTTGCAGCGAGCCTGGCCTAGCTCGGATTTCTCGGACCGGGCCTCG
GACCGCATGAGGTCCCGCAGCGAGAAGGACTACCGCCTGCACAAGCGTTTCCCGCGGCCCTTCGCGCCC
CAGGCTTCGCGGGGCTACATGACATCAGGTGATGTATACCCATCAGTATGTCTCCCATCAGTCAGTCT
CAGTTTATTCCACTCGGGGAGATCCTCTGCTTGCCATCTCAGCAATGAACTCGGCAAGAAAGCCTGTC
ACCCAAGAAGCACTGATGGAGCACCTGACCACGTGCTTCCAGGTGTTCCAACGCCAAGCAAGAAATTT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCCGC
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Restriction Sites: SgfI-MluI

ACCN: NM_020225

Insert Size: 2781 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_020225.2
RefSeq Size:	10474 bp
RefSeq ORF:	2781 bp
Locus ID:	56977
UniProt ID:	Q9P2F5
Cytogenetics:	4q35.1
MW:	102.7 kDa
Gene Summary:	This gene encodes a Storkhead-box_winged-helix domain containing protein. This protein is differentially expressed in decidual tissue and may be involved in the susceptibility to pre-eclampsia with fetal growth restriction. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015] Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein. 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.