

## Product datasheet for **RG225163**

### STOX1 (NM\_001130160) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STOX1 (NM_001130160) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STOX1
Synonyms:	C10orf24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225163 representing NM_001130160 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCCGCCGTGCAGCTGGCGCCGGGCTCGCTGGCGCTAGTGCTGTGCCGGCTGGAGGCGCAGAAGG  
CGGCGGGGGCCGCGGAGGAGCCTGGTGGCGCGCGGTGTTCCGCGCTTCCGTCGCGCCAACGCGCGCTG  
CTTCTGGAACGCGCGGCTGGCGCGCGCCGCTCGCGGCTGGCCTTCCAGGGCTGGCTGCGCGGGGGGTG  
CTGCTGGTGGCGCGCCCCCGCCTGCCTGCAGGTGCTGCGCGATGCCTGGCGGCGCGGGCCCTGCGGC  
CGCCGCGCGGCTTCCGCATCAGGGCGGTGGGTGATGTCTTCCAGTGCAAATGAATCCAATAACTCAATC  
TCAGTTCTGACCTTTGGGTGAAGTCTTTGCTGTGCTATATCTGATATGAATACAGCTCAGATTGTAGTA  
ACGCAGGAATCACTTTTGAGCGTTTGATGAAACATTACCCAGGACACAGAGTCTGGGATCTAATAATTC  
AGTCATTTTGGATGGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:	>RG225163 representing NM_001130160 Red=Cloning site Green=Tags(s)
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MARPVQLAPGSLALVLCRLEAQKAAGAAEPPGGRAVFRAFRANARCFWNARLARAASRLAFQGWLRGV  
LLVRAPPACLQVLRDAWRRRALRPPRGFRIRAVGDVFPVQMNPIQSQFVPLGEVLCCAISDMNTAQIVV  
TQESLLERLMKHYPGHRVWDLIIQSFWM

**TRTRPLE** - GFP Tag - V

Restriction Sites:	SgfI-MluI
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**Cloning Scheme:**


**ACCN:** NM\_001130160

**ORF Size:** 507 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001130160.2](#), [NP\\_001123632.1](#)

**RefSeq Size:** 1037 bp

**RefSeq ORF:** 510 bp

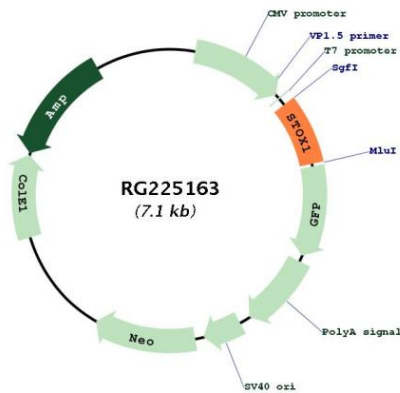
**Locus ID:** 219736

**UniProt ID:** [Q6ZVD7](#)

**Cytogenetics:** 10q22.1

**Gene Summary:** The protein encoded by this gene may function as a DNA binding protein. Mutations in this gene are associated with pre-eclampsia/eclampsia 4 (PEE4). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]

## Product images:



Circular map for RG225163