

## Product datasheet for **RG225279**

### STOX1 (NM\_001130159) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** STOX1 (NM\_001130159) 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:** >RG225279 representing NM\_001130159  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCCGGCCCGTGCAGCTGGCGCCGGGCTCGCTGGCGCTAGTGCTGTGCCGGCTGGAGGCGCAGAAGG  
 CGGCGGGGGCCGCGGAGGAGCCTGGTGGCGCGCGGTGTTCCGCGCTTCCGTCGCGCAACGCGCGCTG  
 CTTCTGGAACGCGCGGCTGGCGCGCGCCCTCGCGGCTGGCCTCCAGGGCTGGCTGCGCGGGGGGTG  
 CTGCTGGTGCGCGCGCCCGCCTGCCTGCAGGTGCTGCGCGATGCCTGGCGGCGCCGGCCCTCGCGC  
 CGCGCGCGGCTCCGCATCAGGGCGGTGGGTGATGTCTTCCAGTGCAAATGAATCCAATAACTCAATC  
 TCAGTTTCGTACCTTTGGGTGAAGTTCTTTGCTGTGCTATATCTGATATGAATACAGCTCAGATTGTAGTA  
 ACGCAGGAATCACTTTTGAGCGTTTGATGAAACATTACCCAGGCATTGCAATCCATCGGAAGATTC  
 TTTATACCACTCTGGAAACGCTGATTAAGAAAGGAAGATTTATCACACTGGAGAAGGATACTTCATAGT  
 TACTCCTCAGACTTACTTCATTACAAATACAACCACCCAGGAAAATAAGAGAATGCTGCCATCAGATGAA  
 AGTCGCCTGATGCCAGCTTCCATGACATATCTGGACACAGAGTCTGGGATC

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG225279 representing NM\_001130159  
 Red=Cloning site Green=Tags(s)

MARPVQLAPGSLALVLCRLEAQKAAGAAEPPGGRAVFRFRANARCFWNARLARAASRLAFQGWLRGV  
 LLVRAPPAQLQLRDWRRRALRPPRGFRIRAVGDVFPVQMNPI TQSQFVPLGEVLC CAISDMNTAQIVV  
 TQESLLERLMKHYPGIAIPSEDILYTTLTGLIKERKIYHTGEGYFIVTPQTYFITNTTTQENKRMLPSDE  
 SRLMPASMTYLDTESGI

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001130159

**ORF Size:** 681 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\\_001130159.2](#), [NP\\_001123631.1](#)

**RefSeq Size:** 1237 bp

**RefSeq ORF:** 684 bp

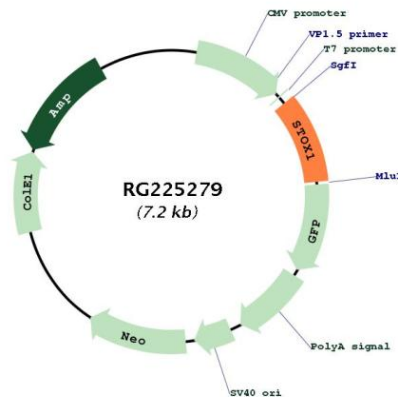
**Locus ID:** 219736

**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 RG225279