

## Product datasheet for **RG226290**

### STOX1 (NM\_001130161) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STOX1 (NM_001130161) 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)



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**ORF Nucleotide Sequence:**

>RG226290 representing NM\_001130161  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCCCGCCGTGCAGCTGGCGCCGGCTCGTGGCGCTAGTGTGTGCCGGCTGGAGGCGCAGAAGG  
 CGGCGGGGGCCGGAGGAGCCTGGTGGGCGCGCGGTGTTCCGCGCTTCCGTCGGCCAAACGCGCGCTG  
 CTTCTGGAACGCGCGGCTGGCGCGCCGCCCTCGCGGCTGGCCTTCCAGGGCTGGCTGCGCGGGGGGTG  
 CTGCTGGTGCAGCGCCCGCCCTGCCTGCAGGTGCTGCGCGATGCCTGGCGGCGCCGGCCCTGCGGC  
 CGCCGCGCGGCTTCCGCATCAGGCGGTGGGTGATGTCTTCCAGTGCAAATGAATCCAATAACTCAATC  
 TCAGTTCGTACCTTTGGGTGAAGTTCCTTGTGTGCTATATCTGATATGAATACAGCTCAGATTGTAGTA  
 ACGCAGGAATCACTTTTGGAGCGTTTGTGAAACATTACCCAGGCATTGCAATCCATCGGAAGATATTC  
 TTTATACCACTCTGGGAACGCTGATTAAGAAAAGGAAGATTTATCACACTGGAGAAGGATACTTCATAGT  
 TACTCCTCAGACTTACTTCATTACAAATACAACCACCCAGAAAAAAGAGAATGCTGCCATCAGATGAA  
 AGTCGCCTGATGCCAGCTTCCATGACATATCTGGTGAGCATGGAGAGCTGTGCAGAGTCAGCCCAAGAGA  
 ATGCTGCCCCATATCCCACTGTCACTTGTCCAGTGTTCGGGACATGCACACTCAGGATGTTACAGGA  
 AGCACCAGTTGCTGCAGAAGTACTAGGAAGAGTACAGAGGTCTTGGGGAATCCGTATCTTGGGTACAG  
 AATGGGGCAGTTTCACTGTCTGCGGAGCACCACATTTGTGAGAGCACCAACCTTTACCATACACAAGAG  
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 AACAGAACACAGCAGTTTCTGCTCAGTCCCACCTGAAGAATGGCCCGTCCGAGATGAAGATGACTTG  
 GACAATATCCCTCGAGATGTTGAACATGAGATAATCAAACGAATTAACCCATTTTACTGTTGACAATT  
 TAATCAAAACACTGTCCTAATGCAAAAATACGAAGAACAGAAAAAATAAATAGCCAGGCCATCCAC  
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 AAGCGAATCAGTAATCCTTCCAGGGTTTGTCTCACCGAGGAAGCACAATATCAAAGGGCACAAAATTC  
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 GGATTCCTCAAGAATCTTGTGATGTTAAAGCCAAAGAGCCATATGCTGAACAACCTAATGATAAAATGGAA  
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 GTCACCCTCAACAGAGCATGTTGCAAAATGATGGTAAATGCTGTCCCTTATGGAAGCATGTTGAGATA  
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 GCTAAATGTGTACAGGCCTCAGCACCTGCTGATGAAAGAATCTTTGATTACTATAGCGCAAGAAAAGCCA  
 GTTTTGAAGCTGAAGTACATAAGACACTATTGGTGACACAGGAAAGAAGCCAGCTAGCTGGAGTCAGAG  
 TCCTCAGAATCAGGAAATGAGAAAACATTTCCACAAAAGTTCCAACTTTTCAACACTTCACATATGCCA  
 GTGTTGGCTCAGGATGTCCAATATGAACACAGTCACTTGAAGGGACAGAAAATCACAGCATGGCAGGAG  
 ATAGTGAATAGATTCTCCAGGACACAGAGTCTGGGATCTAATAATTCAGTCATTTTGGATGGACTAAA  
 AAGAAGACAGAATTTTCTGCAAAATGTCGAAGGCACAAAGAGCAGTCAACCACTCACATCTAATCTCTTA  
 CTACCGCTAACTCCAGTCATAAACGTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG226290 representing NM\_001130161  
 Red=Cloning site Green=Tags(s)

MARPVQLAPGSLALVLCRLEAQKAAGAAEPPGGRAVFRFRANARCFWNARLARAASRLAFQGWLRGV  
 LLVRAPPAQLVLRDAWRRRALRPPRGFRIRAVGDVFPVQMNPI TQSQFVPLGEVLC CAISDMNTAQIVV  
 TQESLLERLMKHYPGIAIPSEDILYTTLGTLIKERKIYHTGEGYFIVTPQTYFITNTTTQENKRMLPSDE  
 SRLMPASMTYLVSMESCAESAQENAAPI SHCQSCQCFRDMHTQDVQEAPVAAEVTRKSHRGLGESVSWVQ  
 NGAVSVSAEHHICESTKPLPYTRDKEKGKFGF SLLWRSLSRKEKPKTEHSSFSAQFPPEEWPVRDEDDL  
 DNIPRDEHEIIKRINPILTVDNLIKHTVLMQKYEEQKKYNSQGTSTDMLTIGHKYPSKEGVKKRQGLSA  
 KPQGGHRRDRHKARNQGSEFQPGSIRLEKHPKLPATQP IPRIKSPNEMVGQKPLGEITTVLGSHLIYK  
 KRISNPFQGLSHRGSTISKGHKIQKTSDLKPSQTGPKEKPFQKPRSLDSSRIFDGKAKEPYAEQPNDKME  
 AESIYINDPTVKPINDDFRGHLFSHPQQSMLQNDGKCCPFMESMLRYEVYGGENEVIPEVLRKSHSHFDK  
 LGETKQTPHSLPSRGASFSDRTPSACRLVDNTIHQFQNLGLLDYPVGVNPLRQAARQDKDSEELLRKGFV  
 QDAETTSENEQLSNDDQALYQNEVEDDDGACSSLYLEEDDI SENDDLRQMLPGHSQYSFTGGSQGNHLG  
 KQKVIERSLTEYNSTMERVESQVLKRNECYKPTGLHATPGESQEPNL SAESCGLNSGAQFGFNYYYEPPSV  
 AKCVQASAPADERIFDYYSARKASF AEVIQDTIGDGTGKPPASWSQSPQNQEMRKHFPQKFQLFNTSHMP  
 VLAQDVQYEHSHLEGTENHSMAGDSGIDSPRTQSLGNNNSVILDGLKRRQNFLQNVGKSSQPLTNSL  
 LPLTPVINV

TRTRPLE - GFP Tag - V

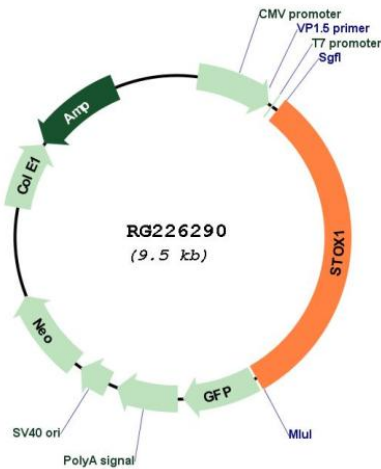
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



## Plasmid Map:



ACCN: NM\_001130161

ORF Size: 2967 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\\_001130161.3](#)

RefSeq Size: 3306 bp

RefSeq ORF: 2970 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]