

Product datasheet for **RC226232**

STOX1 (NM_001130162) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STOX1 (NM_001130162) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STOX1
Synonyms:	C10orf24; PEE4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC226232 representing NM_001130162
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATCCAATAACTCAATCTCAGTTCGTACCTTTGGGTGAAGTCTTTGCTGTGCTATATCTGATATGA
 ATACAGCTCAGATTGTAGTAACGCAGGAATCACTTTGGAGCGTTTGATGAAACATTACCCAGGCATTGC
 AATTCCATCGGAAGATATTCTTTATACCACTCTGGGAACGCTGATTAAAGAAAGGAAGTTTATCACA
 GGAGAAGGATACTTCATAGTTACTCCTCAGACTTACTTCATTACAAATACAACCACCCAGGAAAATAAGA
 GAATGCTGCCATCAGATGAAAGTCGCTGATGCCAGCTTCCATGACATATCTGGTGAGCATGGAGAGCTG
 TGCAGAGTCAGCCCAAGAGAATGCTGCCCCATATCCCACTGTCAGTCTTGCCAGTGTTCGGGACATG
 CACTCAGGATGTTAGGAAGCACCAGTTGCTGCAGAAGTACTAGGAAGAGTCACAGAGGTCTGGGG
 AATCCGTATCTGGGTACAGAATGGGGCAGTTTCACTGCTGCGGAGCACCACATTTGTGAGAGCACC
 ACCTTTACCATACACAAGAGATAAAGAAAAGGCAAGAAGTTTGGTTTTAGTCTCTTATGGCGCAGCTTA
 TCTAGAAAAGGAGAAGCCAAAACAGAACACAGCAGTTTCTGCTCAGTCCACCTGAAGAATGGCCCG
 TCCGAGATGAAGATGACTTGGACAATATCCCTCGAGATGTTGAACATGAGATAATCAAACGAATTACCC
 CATTGACTGTTGACAATTTAATCAAACACACTGTCCTAATGCAAAAATACGAAGAACGAAAAAATAT
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 GTCATTCCCACTTTGACAAATAGGGGAGACCAACAGACTCCGCATAGTCTGCCATCACAGGTGCCTC
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 CTTTTGGATTACCCAGTTGGCGTGAACCTTTAAGACAAGCTGCAAGACAAGACAAGACTCAGAAGAAT
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 CCAGGCCTTGATCAGAATGAAGTGAAGATGATGATGGTGCCTGTAGTTCATTATATCTAGAGGAGGAT
 GACATTTCTGAGAATGACGACTTACGTCAAATGCTGCCTGGCCACAGTCAGTATTCCTTACAGGTGGAA
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 TCAACACTTCACATATGCCAGTGTGGCTCAGGATGTCCAATATGAACACAGTCACTTGGAGGGACAGA
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 GTCATTTTGGATGGACTAAAAGAACAGAAATTTCTGCAAAATGTCGAAGGCACAAAGAGCAGTCAAC
 CACTCACATCTAATTCCTTACTACCGCTAACTCCAGTCATAAACGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226232 representing NM_001130162
 Red=Cloning site Green=Tags(s)

MNPITQSQFVPLGEVLC CAISDMNTAQIVVTQESLLERLMKHYPGIAIPSEDILYTTLTGLIKERKIYHT
 GEGYFIVTPQTYFITNTTTQENKRMLPSDESRLMPASMTYLVSMESCAESAQENAAPISHCQSCQCFRDM
 HTQDVQEAPVAAEVTRKSHRGLGESVSWVQNGAVSVAEHHICESTKPLPYTRDKEKGGKFGFSLLRSL
 SRKEKPKTEHSSFSAQFPPEEWPVRDEDDLNIIPRDVEHEIIKRINPILTVDNLIKHTVLMQKYEEQKKY
 NSQGTSTDMLTIGHKYPSKEGVKKRQGLSAKPQGGHRRDRHKARNQGSFQPGSIRLEKHPKLPATQP
 IPRIKSPNEMVQGKPLGEITTVLGSHLIYKKRISNPFQGLSHRGSTISKGHKIQKTSCLKPSQTGPKEK
 FQKPRSLDSSRIFDGKAKEPYAEQPNDKMEAESIYINDPTVKPINDDFRGHLF SHPQQSMLQNDGKCCPF
 MESMLRYEVYGGENEVIPEVLRKSHSHFDKLGETKQTPHSLPSRGASFSDRTPSACRLVDNTIHQFQNLG
 LLDYPVGVNPLRQAARQDKDSEELLRKG FVQDAETT SLENEQLSNDQALYQNEVEDDDGACSSLYLEED
 DISENDDLRQMLPGHSQYSFTGGSQGNHLGKQKVIERSL TEYNSTMERVESQVLKRNECYKPTGLHATPG
 ESQEPNLSAESCGLNSGAQFGFN YEEEPSVAKCVQASAPADERIFDYYSARKASF AEVIQDTIGDTGKK
 PASWSQSPQNQEMRKHFQKFLFNT SHMPVLAQDVQYEHSHLEGTENHSMAGDSGIDS PRTQSLGSNNS
 VILDGLKRRQNFLQNVEGTKSSQPLTSNLLPLTPVINV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

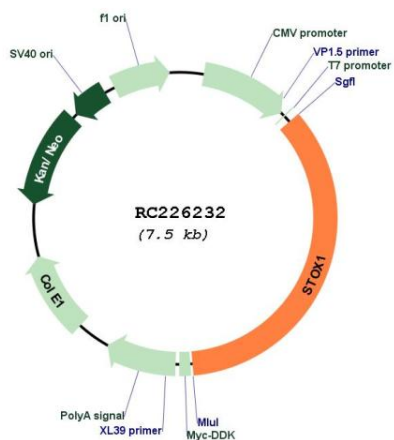
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_001130162
ORF Size:	2637 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:	<ol style="list-style-type: none">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_001130162.2 , NP_001123634.1
RefSeq Size:	3127 bp
RefSeq ORF:	2639 bp
Locus ID:	219736
Cytogenetics:	10q22.1
MW:	98.7 kDa
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 RC226232