

Product datasheet for **MC222641**

Stox2 (NM_001114311) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stox2 (NM_001114311) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stox2
Synonyms:	4933409N07Rik; AI449080; AI835114; mKIAA1392
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222641 representing NM_001114311

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGAAGACCCGGAGCACAACTTGC GGCGAGCCTGGCCTAGCTCGGATTTCTCGGACCGGGCCTCGG
 ACCGCATGAGGTCCCGCAGCGAGAAGGACTACCGCCTGCAACAAGCGCTTCCCGCGGCCTTCGCGCCCA
 GGCTTCTAGGGGTACATGACATCAGGTGATGTGTCAACCAATCAGTATGTCCCCATCAGTCAGTCTCAG
 TTTATTCCACTCGGGAAATCCTTTGCTTGGCCATCTCTGCAATGAACTCTGCGAGAAAGCCTGTCAACC
 AGGAGGCGCTGATGGAACACCTGACCACATGTTTCCAGGTGTTCCAACCCCAAGCCAAGAAATTCTACG
 GCATACCTAAACACACTGGTACGGGAGAGGAAAATCTATCCGACTCCGGATGGCTATTTTCATTGTGACC
 CCACAGACTTATTTACTTACTCCCTCCCTATAAGAACTAACAGTAAGTGGTACCACTTGGACGAGAGGG
 TACCTGACAGGTCTCAGTGCACCTCGCCACAACCAGGAACCATAACGCCCTCTGCCTCAGGCTGCCTCAG
 GAAAGGACATTACCCAGAAAGCACTGCGACTCTTGCCACTGCTGCCGAGAAGACGTGCACAGCATGCAT
 GCCTCCACCCTGCAGAGGAAGTCCGCCAAGGACTGCAAAGACCCTTACTGCCTCCTCCGCTCTGCCAGG
 TGCCGCCCACTGAAAAAGCAAAAGCACTATAAATTTCTCCTATAAGACGGAAACTCTCTCGAAACCTAA
 AGATGGTGAAAAGCAGTCCAAAAATTCGGTCTCAAGTTATTCGGCTGAGTTTTAAGAAAGACAAGACC
 AAACAGCTGGCCAATTTCTTGCCAGTTTCTCCCGAGGAGTGGCCTCTGCGAGACGAGGACACGCCCA
 CGACCATCCCTCGGAAGTGGAGATGGAGATCATCCGGCGGATCAACCCAGACTTGACGGTGGAAAAATGT
 CATGAGGCACACTGCCCTGATGAAGAACTTGAAGAAGAAAAAGCTCACCGGAGCAAAGCCGGTCTCC
 GCCACCACAGTGAAGGAGTAAAAGAGCCGGACTCACCGCAAGTCCCACGGGAAGTCTCGTCCACACA
 GCAAGACGCGAGTGTCCAAGGAGATCCTTCGGATGGCTCGCATCTGGATATCCCGGTGAGAGGGAGTA
 TGAATTTTGCACCTCTAACCGGGCCCCAGAGAGGGCTGCTTCATCATTGAACACAAAAGGGGACAAC
 TTCATCATGCATAGCAACACGAACGTGATCGAGTCCCATTTCGCCATGACGCCAGAAATGGGATGTGTCTG
 GCGAACTGGCCAAAAGGAGAACGGAGATGCCCTTTCGGAACCCTCCAGGGGAAGCTCCCACTCCAAAGT
 GCACCGAAGCCACAGCCATACCCAGGACCGGAGATCCAGGAATGAGAGGTCCAACAAGGCCAAGGAGAGA
 TCCAGGTCTATGGATAACTCCAAAGTCCCCTGGGCGCTTCTTCACTCGGACTCCGGAAGACCTGGCTG
 AAGGCTGCAGCCAAGATGACCAACACCGAGCCAAATCATACATTGATGACAGTACTTTAAGGCTGCGCA
 AACGATGGTTCATCAAAGGGCTCATATTCCTTCTGCCAGCTACAAAGAGGTATGCATTCCAGAAATAGTT
 GGTGGCAGCAAGGAACCTTCTAGTGCTTGTAGCCTTCTGGAGCCAGGCAAAACCCTGAGAGTATGCCGT
 CCTATGGGAACTCAGCCCTTGCCCGGCTAAAACAGCTGTGGATGACTATTTTCAGTGCAACACCTCGAG
 TGAGACCGTACTCACAGCACCGTCCCCTTAGGGAAGAATAAGGAGGACCATGACACTTTGACCTTGGTG
 GAGGGGTAAAAAGCTGTCTCCATCTGAGAGGCAGACCCCCATTCTTCCAGGGAACCTGTTGGGCACA
 AGGAGGAGTACCCGAAAGGGCCAGGAGGGGGCCCTGCAGCCTCTGGTGGTGTGGCAGAGGGGTTAGCCAA
 TGGCCGCCTTGTCCAACATCATAGCGCAGAACCAGCAGCCTGGACAAAAGGAAAGAAATATTCAGCAA
 GACACACTGTTCAAACCTCTACACAGCACCTGTCTGTAACAGCTATCACAAATCTAGCTTGTCCCTCC
 TCAAGTCTACCCAAAGTCAACCGTTGACACACTGCCAGGCCGTTGTGAGAACTGGAACCTTCCCTTGG
 GACATCCGCGGCCCAAGCCATGCCTCCATCCCAACGTGAGCAGGAGCCTGGAGGGAACAGGAGGCTTCT
 TTTGACTATTACAACGTCTCTGATGACGACGACTCCGAGGAGGGGCCAACAAAAACGCGGAGGAGGAGA
 AAAACAGAGATGATGTGGCACCATGCAGTGGCTCCTGGAGAGGGAAGGAAAGAGACTTGCAGAGGAA
 GTTTGAGAAAAACCTCACCTCCTCACCCAAAAGAACTGATAGCAGCAGCAACCAGAGAGCCACCCAC
 TCAGCCCGGCTGGACAGCATGGATAGCAGCAGCATCACGGTGGACAGTGGATTCACTCCCACGCACTC
 GGGAGAGCCTGGCTTCCAACACATCAAGCATTGTTGAAAGCAACCGCCGTGAGAACTCCTGCTTTGAGTCC
 AGCCCATGGCGGAGCTGGTCCAACCTTCAACTCCGCGCCAGTACGGATCCCCCGACCAGCGAAGCTGAG
 AAATTACAGAACTTCCAACCTGCTTGAAGCTTCTGTTACTAGTGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:	NM_001114311
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).
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:	<u>NM_001114311.1</u> , <u>NP_001107783.1</u>
RefSeq Size:	10467 bp
RefSeq ORF:	2781 bp
Locus ID:	71069
UniProt ID:	<u>Q499E5</u>
Cytogenetics:	8 B1.1