

Product datasheet for **MC209399**

Shox2 (NM_013665) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Shox2 (NM_013665) Mouse Untagged Clone
Tag: Tag Free
Symbol: Shox2
Synonyms: 6330543G17Rik; OG12; Og12x; Prx3; SHOT
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC209399 representing NM_013665
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGAACTTACGGCGTTTCGTCTCCAAGTCTTTTGACCAGAAAGTGAAGGAGAAGAAGGAGGCCATCA
CGTACCGGGAGGTGCTAGAGAGCGGGCCGCTGCGCGGGGCCAAAGAGCCCGGTTGCGTCGAGCCGGGCCG
CGACGACCGCAGCAGCCCGCAGTCCGGCGGCCGGCGGAGGCGCGCGGGAGGAGGCCGAGGCCGGA
GGCGGAGGAGCGGAGGAGGTGCTGGAGGAGGAGCAGGCGGAGGAGCTGGAGGAGGGCGCTCTCCCG
TCCGGGAGCTGGACATGGGAGCCGCGGAGCGGAGCAGGGAGCCCGCAGCCCGCGCTGACGGAGGTGTC
CCCTGAACTGAAGATCGCAAAGACGATGCGAAAGGGATGGAGGACGAAGGCCAGACCAAAATCAAGCAG
AGGCGAAGTCGGACCAATTTTACCTGGAACAACCTCAACGAGCTGGAGAGGCTTTTCGATGAGACCCACT
ATCCAGACGCTTTCATGCGCGAGGAATTGAGCCAGCGACTGGGGCTCTCTGAGGCCCGAGTACAGGTTTG
GTTTCAAATCGAAGAGCTAAGTGTAGAAAACAGGAAAATCAACTTCACAAAGGTGTCCTTATAGGAGCC
GCTAGCCAGTTTGAAGCTTGTAGAGTTGCACCCATGTCAACGTAGGTGCTTTAAGGATGCCATTTACAG
AGGATAGTCATTGCAACGTGACGCCCTTGTCTTTCAGGTTTCAGGCGCAGCTGCAGCTGGACAGCGCCGT
GGCGCACGCGCACCAACCTGCATCCGCACCTGGCCGCGCACGCGCCTTACATGATGTTCCCGGCACCG
CCCTTCGGACTGCCGCTGGCCACGCTGGCCGCGGACTCGGCCCTCGCCGCTCGTGGTGGCCGCTGCCG
CCGCCCAAGACCACCAGCAAGAACTCCAGCATCGCGGATCTCAGACTGAAAGCTAAAAAGCACGCGGC
CGCCCTGGGTCTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1906_b01.zip



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_013665
Insert Size:	996 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_013665.1 , NP_038693.1
RefSeq Size:	1603 bp
RefSeq ORF:	996 bp
Locus ID:	20429
UniProt ID:	P70390
Cytogenetics:	3 30.76 cM
Gene Summary:	<p>May be a growth regulator and have a role in specifying neural systems involved in processing somatosensory information, as well as in face and body structure formation. May also have a role in heart development.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>