

Product datasheet for **MG222824**

Sox13 (NM_011439) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sox13 (NM_011439) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sox13
Synonyms:	AA407916; AW259412; AW540933; Sox-13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222824 representing NM_011439
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCATGCAGAGCCCCGTCTCTGTGCAGCTGGCCCCAGACAGCGCTAGCACCATGGTGAAGTGCACCA
 TCAAGTCTGAGGAGAAGAAGGAGCCTTGCCACGAGGCTCCCAAGGTGCAGCCCCGTCAGTGGAGACCCA
 GCCTGGAGACCCGGCCCTGGCCTCTCAGGATGCCACCAACGCTAAAGCTCCTCCTCAGGACTGTGCCTCA
 CCAGAGAGCAGTGGGTCCCCAGAACCAAGAGACCAGCAGCTTCCGAGGCTGCTTCGGAAGCCAGGAGC
 GCCTGGACTTCAACCGCAACTTACAGGAGGTTGTGCCAGCCATTGAGAAGCTGCTGTCCAGTACTGGAA
 GGAGAGGTTTCTGGGAAGAAGCAATGTGGAAGTAAGGATGTCAAAGGGACCCAAGAGAGCCTGGCTGAG
 AAGGAATCCAGCTTTTGGTCATGATCCATCAGCTCTCTGCCCTTCGGGACCAGCTCCTTACGGCCACT
 CTGAGCAGAAGAACATGGCCGCCATGCTGTTTGAAGCAGCAGCAACAGATGGAATGGCCAGGCAGCA
 GCAGGAGCAGATCGCAAGCAGCAGCAGCAGCTGATTCAACAGCAGCACAAAGATCAACCTCCTGCAGCAG
 CAGATCCAGCAGGTTAACATGCCTTACGTCATGATCCAGCCTTCCCCCAAGCCACCAGCCTTTGCCTG
 TCACTCCTGACTCCCAGCTGGCTTTACCTATTCAGCCCATTCCCTGCAAGCCAGTGGAAATACCCACTGCA
 GCTGCTGCACAGCCCGCTGCCCTGTGGTGAAGAGGTCGGGGTGGCCGCCACCACCCCTGCAGGAG
 CCCCCACAACCACTGAACCTCACAGCCAAGCCCAAGGTACCTGAGCTGCCCAACACCTCCAGCTCTCCCA
 GCCTGAAGATGAACAGTTGTGGGCTCGCCCCGCCAGCCATGGGGCTCCCAAGGGACCTGCAATCCAG
 CCCCCCAGCCTGCCTCTGGGCTTCTCGGTGAAGGGGACGCCGTACCAAGCCATCCAGGATGCCCGG
 CAGCTGTGCACAGCCACAGTGGGGCTTGGAAAATCCCCAATACCCATTCCGGAAGGACCTCATCA
 GCCTGGACTCCTCCCCGGCAAGGAGCGGCTGGAGGAGAGCTGTGTGCATCCCCGGGAAGCCATGCT
 GAGCTGTGACATGGATGGCTCCCGTCATTTTTCGGAGTCTCGGAACAGCAGCCACATCAAGAGACCCATG
 AATGCCTTCATGGTGTGGGCCAAGGATGAACGGAGGAAAATTCTCCAGGCCTTCCAGACATGCATAACT
 CCAGCATCAGCAAGATCCTTGGTCTCGCTGGAAGTCCATGACCAACCAGGAGAAAACAGCCGTAACGA
 GGAGCAGGCCGCTGAGCCGGCAGCACCTGGAGAAAATACCTGACTATAAGTACAAGCCAAGGCCAAG
 CGTACCTGTGTGTGGAGGGCCGGCGGCTGCGAGTGGGCGAGTACAAGGCCTTGTGAGGACACGGCGCC
 AGGGTGTGCGCAAGCTACACCATCCCCCGCAGGCTGGCCAGGCACAGGTGAGCTCAGATATCCTGTT
 CCCTCGGGCAGCGGGCTTCCCCCTGGCAGTCCACTGGTGGAGCACTATGACCCCGAGGCTGGACCCC
 AACATGCCTGTATCATCAATACCTGCAGTCTCCGGGAGGAAGGGGAGGGCACAGATGACAGGCACTCGG
 TGCCCGATGGAGAGATGTACCGGTACAGCGAGGACGAGGACTCAGAGGGTACGAGAAGAGTGATGAGGA
 GCTGGTGTACTCACAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG222824 representing NM_011439
 Red=Cloning site Green=Tags(s)

MSMQSPVSVQLAPDSASTMVNCTIKSEEKKEPCHEAPQGAAPAVETQPGDPALASQDATNAKAPPQDCAS
 PESSGSPEPKRPAASEAASGSQERLDFNRNLQEVVPAIEKLLSSDWKERFLGRSNVEAKDVKGTQESLAE
 KELQLLVMIHQLSALRDQLLTAHSEQKNMAAMLFEKQQQMELARQQEQIQAQQQLIQQHKINLLQQ
 QIQVNMPPYVMIPAFPPSHQPLVTPDSQLALPIQPIPCPKVEYPLQLLHSPAPVVKRSGVAHHPLQE
 PPQPLNLAKPKVPELPNTSSPSLKMNSCGPRPASHGAPTRDLQSSPPSLPLGFLGEGDAVTKAIQDAR
 QLLHSHSGALENSPNTPFKDLISLDSSPAKERLEESCVRHPLLEAMLSCDMDGSRHFSESRSNSSHAKRPM
 NAFMVWAKDERRKILQAFPMHNSISKILGSRWKSMTNQEKPYYEEQARLSRQHLEKYPDYKYKPRPK
 RTCVVEGRRLRVGEYKALMRTRRQGARQSYTIPQAGQAQVSSDILFPRAAGLPLARPLVEHYDPQGLDP
 NMPVIINTCSLREEEGTDDRHSVADGEMRYSEDEDEGDEKSDEELVVLTD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_011439

ORF Size: 1839 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_011439.2](#), [NP_035569.2](#)

RefSeq Size: 3547 bp

RefSeq ORF: 1842 bp

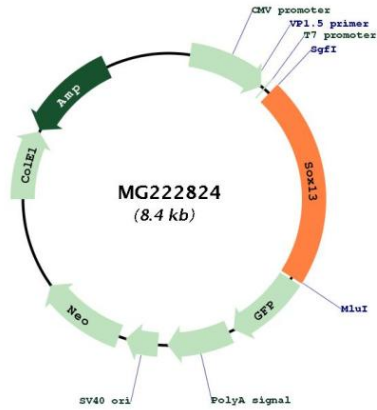
Locus ID: 20668

UniProt ID: [Q04891](#)

Cytogenetics: 1 E4

Gene Summary: Binds to the sequence 5'-ACAAT-3'. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG222824