

Product datasheet for **MG207417**

Sox8 (NM_011447) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sox8 (NM_011447) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sox8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG207417 representing NM_011447 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCTGGACATGAGTGAGGCCCGCGCCAGCCTCCCTGCAGCCCGTCTGGCACCCTAGCTCCATGTCAC
ACGTGGAGGATTCGGACTCCGACGCGCCACCGTCGCCCCGCGGATCAGAGGGCCTGGGCCGCGGGGGG
CGGCGGCCGAGGGGATACTGCTGAGGCAGCAGCAACGCTTCCAGCCTGCATCCGTGATGCCGTGTGC
CAGGTGCTTAAGGGTTATGACTGGAGTCTGGTGCCTATGCCTGTGCGCGCGCGGGTGGCGGCACGCTCA
AGGCCAAGCCACACGTGAAGCGGCCCATGAATGCCTTCATGGTGTGGGCACAGGCGCGCGCCGCAAGCT
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CAGATTACAAATACCAGCCAAGGCGAAGGAAGAGTGTGAAGACTGGCCGAGCGACTCAGACTCTGGTAC
TGAAGTGGGCCACCACCCTGGTGGTCCCATGTACAAAGCTGATGCAGTGTCTGGCGAGGCACACCATCAC
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GTCCATGAATTTGACCAGTACTTGCCCTCAATGGCCACTCAGCCCTGCCACAGAGCCAGCCAGGCCA
CTGCCTCTGGCTCCTATGGAGGCGCTTCTACTCGCACTCCGGGGCAACCGGCATAGGGGCATCCCTGT
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GCTCTTACAGTGCCAGGCCAGCGTCACCACAGCTGCCTCTGCCACGGCTGCCAGCTCCTTCGCCAGCGC
ACAGTGTGATTACACTGACCTGCAGGCTTCCAATACTACAGCCCTACCTGGCTACCTCCCAGCCTC
TACCAATACCTTACTTCCATTCATCCCGTCGGCCCTATGCCTCGCCACTGCTCAATGGGCTCTCTATGC
CACCCGCACACAGCCCCAGCAGCAACTGGGACCAGCCTGTGTACACCACCCTGACCCGACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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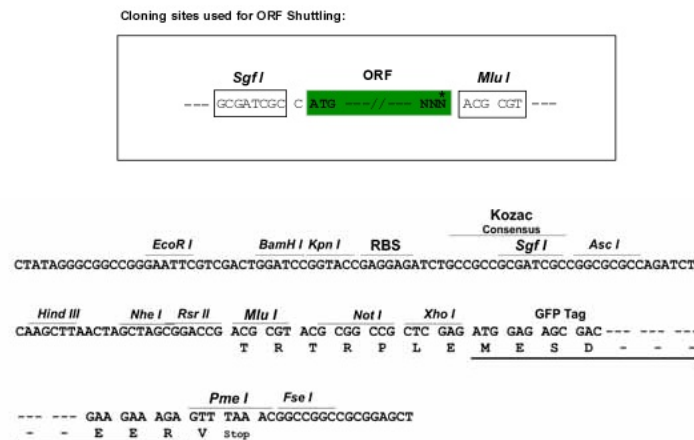
Protein Sequence: >MG207417 representing NM_011447
 Red=Cloning site Green=Tags(s)

MLDMSEARAQPPCSPSGTASSMSHVEDSDSDAPPSPAGSEGLGRAGGGGRGDTAEAADERFPACIRDAVS
 QVLKGYDWSLVPMPVRGGGGTLKAKPHVKRPMNAFMVWAQAARRKLADQYPHLHNAELSKTLGKLWRL
 SESEKRPFVEEAERLRVQHKHDHPDYKYQPRRRKSVKTGRSDSDSGTELGHHPGGPMYKADAVLGEAHHH
 SDHHTGQTHGPPTPTTPKTDLHQASNGSKQELRLEGRRLVDSGRQNIIDFSNVDISELSSEVISNMDTFD
 VHEFDQYLPNGHSALPTEPSQATASGSYGGASYSHSGATGIGASPVWAHKGAPASASAPTEAGPLRPQI
 KTEQLSPSHYNDQSHGSPGRADYGSYSAQASVTTAASATAASSFASAQCDYTDLQASNYSPYPGYPPSL
 YQYPYFHSSRRPYASPLLNLGSMPPAHSPSSNWDQPVYTTLTRP

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011447

ORF Size: 1392 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_011447.3](#), [NP_035577.1](#)

RefSeq Size: 2999 bp

RefSeq ORF: 1395 bp

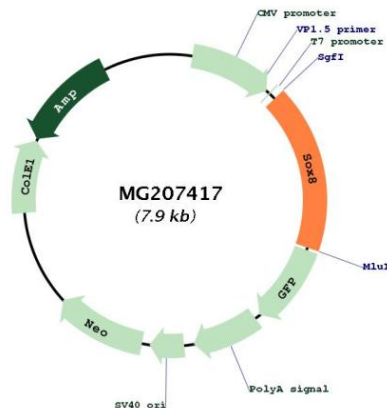
Locus ID: 20681

UniProt ID: [Q04886](#)

Cytogenetics: 17 12.69 cM

Gene Summary: May play a role in central nervous system, limb and facial development. May be involved in male sex determination. Binds the consensus motif 5'-[AT][AT]CAA[AT]G-3'. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207417