

Product datasheet for **MG207815**

Suox (BC027197) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Suox (BC027197) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Suox
Synonyms:	MGC28458
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207815 representing BC027197
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGACCCCTGTAGGCTGGGTGTGGTCTACCATGAGCATCGGTGTAGGGCTTCTCAGGAGT
 CACCACGGATGACTCTAAAGAGGATGTGCGTTCTCACAACAACCCTAAAAGTGGAGTCTGGGTAACCT
 AGGCTCTGAGGTCTTCGATGTCAAAAATTTGTGGACCTGCATCCAGGAGACCATCAAAAGTATGCTA
 GCAGCTGGAGGTCCCCTAGAACCCTTCTGGGCCCTCTATGCTGTGCACAACCAGCCCCATGTACGTGAGT
 TACTGGCCGAGTATAAGATTGGGGAAGTGAACCCGAAGATAGCATGTCCCCCTCCGTGGAAGCCTCTGA
 CCCTTATGCTGATGATCCTATTCGTCATCCAGCCCTGAGGATTAATAGCCAGCGCCCTTTAATGCAGAG
 CCTCTCTGAAGTGAAGGCTACATCACACCAATCCTATTTTCTCACCCGTAACCATCTGC
 CTGTACCTAACCTGGACCCACACCTATCGTTACATGTAGTAGGGCACCTGGAGGTCAGTCACTGTC
 TCTGTCCTTGGATGATTTGCATAAGTTTCCAAACATGAGGTCAGTCTGACTCTGCAGTGTGCTGGTAAC
 CGGCGCTCCGAAATGAGTAAGGTCAAGGAAGTGAAGGTCTGGAATGGAGAACAGGGGCCATCAGCACAG
 CACGCTGGGCTGGGGCCCGGCTCTGTGATGTGTTAGCCCAGGCTGGTCACCGACTCTGTGACTCTGAGGC
 CCATGTCTGTTTTGAAGGACTGGATTGAGACCCACTGGAAGTGCCTATGGAGCATCGATCCCTCTGGCT
 CGGGCCATGGATCCTGAAGCCGAGGTCCTCTGGCTTATGAAATGAATGGTCAGCCTCTACCTCGTGACC
 ATGGCTTCCCTGTACGGGTGGTGGTCTCTGGTGTAGTAGTGGCCGTATGTCAAATGGCTCGGCAGAGT
 GAGTGTGGAATCAGAGGAGATTATAGTCACTGGCAGAGCGGGATTACAAAGGCTTTTCTCCATCTGTG
 GACTGGGACACGGTAACTTTGACCTAGCTCCATCAATTCAGGAACACTATCCAGTCACTATCACAC
 AACCTCAAGATGGGGCCATTGTAGAGTCAGGCGAGGTGACTATCAAGGGCTATGCATGGATGGTGGTGG
 CAGGGCTGTGATTCGAGTGGATGTGCTGTGGATGGGGGACTAACCTGGCAGGAAGCTGAGCTAGAGGGA
 GAGGAACAGTGTCCAGGAAGCCCTGGGCTTGGCGAATATGGCAGTTGAAAGCTCAGGTGCCGGCTGAGC
 AAAAGGAATTGAACATCATTTGCAAAGCTGTAGATGACAGTTACAATGTGCAGCCAGACACTGTAGCCCC
 AATCTGGAACCTTCGGGGCTACTCAGCAATGCCTGGCACCGTGTCCATGTTGAGGTGGTCCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207815 representing BC027197
 Red=Cloning site Green=Tags(s)

MGTLGLGVVLYVHEHRCRASQESPRMYSKEDVRSHNNPKTGWVWTLGSEVFDVTKFVDLHPGGPSKML
 AAGGPLEPFWALYAVHNQPHVRELLAEYKIGELNPEDSMSPSVEASDPYADDPPIRHPALRINSQRPFAE
 PPELLTEGYITPNPIFFTRNHLVVPNLDPHTYRLHVVGAPGGQSLSLDDLLHKFPKHEVTVTLCAGN
 RRSEMSKVKEVKGLEWRTGAISTARWAGARLCDVLAQAGHRLCDSEAHVCFEGLDSDPTGTAYGASIPLA
 RAMDPEAEVLLAYEMNGQPLPRDHGFPVRVVVPGVVGARHVKWLGRVSVSEESYSHWQRRDYKGFSPSV
 DWDTVNFDLAPSIQELPIQSAITQPQDGAIVESGEVTIKGYAWSGGRAVIRVDVSVDDGLTWQEALEEG
 EEQCPRKAWAWRIWQLKAQVPAEQKELNIICKAVDDSYNVQPDVAPIWNLRGVL SNAWHRVHVQVVP

TRTRPLE - GFP Tag - V

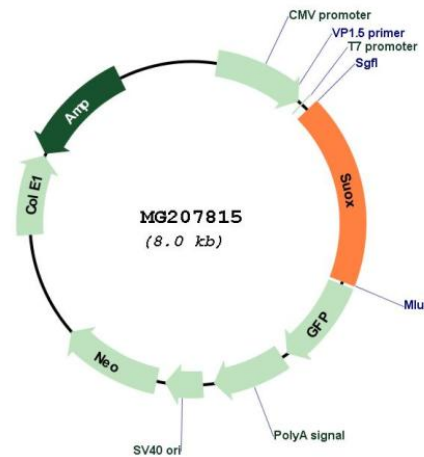
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC027197

ORF Size: 1466 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: [BC027197](#), [AAH27197](#)

RefSeq Size: 2311 bp

RefSeq ORF: 1466 bp

Locus ID: 211389

Cytogenetics: 10 D3