

Product datasheet for **MC203538**

Qsox1 (NM_001024945) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Qsox1 (NM_001024945) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Qsox1
Synonyms:	1300003H02Rik; Qscn6; QSOX; SOX
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC076590
CCGGATACTGACTAGTCACAACTTGAAGGAGGTGGACATTCAAGCCGCCTAGGATGAGGAGGTGCGGCC
GCCTCTCGGGGCCGCATCGCTGCTGCTACTACTGCTGCTGCTCTCGCCTCTGCTCTTCTCGGGGCCGG
CGTTACGCGGCCCGGCTCTCAGTGCTCTACTCGTCTCTGACCCGCTGACGCTGCTGGATGCTGATTCCG
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ACTGTGAGGTTTTTTCAGGCCTTTACCAAGAACGGTTCTGGAGCGACACTGCCAGGTGCTGGCGCTAATG
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TTGTTACCTGCTGCTTCGGAATGGCTCTGTCTCCCGAGTGCCTGTGCTGGTGGAGTCCAGGTCTTCTAT
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GGTGAACCACCTCCAAGGCCCTTAGAGCTCAGGCGAGGGGGCCGAGCCCAAGCAACTAGCCCCATA
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TGTTTCAGTGAACCCTGGAGTCTACTGTGAGAGGATCCCTAGACAAAACAGAATCAGGGTGCCAGTCTC
GCCTGACCAGCATGGGGTAGGAGCAGCCTGACGCAGGGGCTCAGGAGGCTTCTGGGAGGCTCAGGCCCTG
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TGTATGTGGGCCGGTGGGCTGGAGTGGACCTCCTCACTGCATTCTGAGACTGTCTACTCCCTCCCTCA
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TTATTTTTGTTAAGTCACGCAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites:

Ascl-NotI

ACCN:	NM_001024945
Insert Size:	2247 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:	BC076590 , AAH76590
RefSeq Size:	3333 bp
RefSeq ORF:	2247 bp
Locus ID:	104009
UniProt ID:	Q8BND5
Cytogenetics:	1 G3
Gene Summary:	<p>Catalyzes the oxidation of sulfhydryl groups in peptide and protein thiols to disulfides with the reduction of oxygen to hydrogen peroxide (PubMed:26819240). Plays a role in disulfide bond formation in a variety of extracellular proteins (PubMed:26819240). In fibroblasts, required for normal incorporation of laminin into the extracellular matrix, and thereby for normal cell-cell adhesion and cell migration (PubMed:26819240).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform a).</p>