

Product datasheet for **RN200254**

Qsox1 (NM_053431) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Qsox1 (NM_053431) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Qsox1
Synonyms:	Qscn6; Qsox; rSOx; Sox-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200254 representing NM_053431
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGAGGTGCGGCCGCACTCGGGCCGCGTCTGCTGCTACTTCTGCTGCTCCCGCCGCTGC
TGCTCTCGGTGCCCGCGCTTACGCGGCCGCGCTCTCGGTGCTCTACTCGTCTCTGATCCACTGACGCT
GCTGGATGCGGACACCGTGCGCCGCGTGTGCTGGATCCAGTAGCGCCTGGGCGGTGGAGTTCTCGCC
TCCTGGTGTGGCCATTGCATCGCCTTCGCTCCGACGTGGAAGGAGCTTGCTAACGACGTGAAAGACTGGA
GGCCAGCACTAAATCTTGTCTGCTGGACTGTGCTGATGAGACCAATAGTGTCTGTCAGAGAGTTCAA
CATCGCCGGTCCCACTGTGAGGTTTTTAAGGCCTTTTCCAAGAACGGTACTGGAACAGCATTGCCA
GCCGCTGGTGCTAATGTGCAGACGCTGCGTATGAGGCTCATCGATGCTCTGGAGTCCCACCGTGACACGT
GGCCCCAGCATGTCCACCCTGGAGCCTGCCAAGCTGAAGGATATCAATGAATCTTTACAAGAAGTAA
AGCAGAGTACCTGGCCCTGATCTTTGAAAGGGAAGACTCCTATCTGGGTAGAGAGGTAACCTGGACCTG
TCCAGTTCATGCTGTGGCAGTGCGCAGGGTCTTGAATTCAGAGAGCGACGTGGTGAGCAAGTTTGCTG
TCACTGACTTTCCATCTTGTACCTGCTGCTTCGGAATGGTTCTGTTTCCCGAGTGCCTGTGCTGGTAGA
GTCCAGGCCTTTCTATACATCCTACCTGCGGGGCTCCCTGGACTGACCAGGGAGGCTCCCCAACCACA
GCTGCACCAGTCACTCCTGATAAGATAGCACCCACAGTGTGGAAGTTTGCAGACCCTCCAAGATCTACA
TGGCTGACCTGGAGTCTGCACTACACTACATCTTGCCTGTAGAAGTGGGAAAGTTCTCAGTTCTGGAGGG
ACAGCGCTTGGTGGCCCTGAAAAAGTTTGTGGCAGTATTGGCCAAGTACTTCCCTGGCCAGCCTCTGGTC
CAGAATCTTGCATTCATAAACGATTGGCTTCAGAAGCAGCAGAAAAAGAAGATCCCTATAGTTACT
TCAAAGCCGCTCTGGACAGCAGGAAGGAGAACGCTGCTTGTGAGAAGTGAAGTGGATTGGTTGCCA
GGCAGTGAGCCACATTTCCGGGGATTCCCTGCTCCCTGTGGGTCTCTTCCACTTCTGACTGTGCAG
GCACACCGATACAGTGAAGCCCAACCAAGAACCAGCTGACGGCCAGGAGGCTCTGCAAGCCATGCGAA
GCTATGTGCAGTCTTCTCGGCTGCCGAGACTGTGCCAACCATTTTGGCAGATGGCTGCAGCATCCAT
GCACCAAGTAAAAAGTCCAGTAATGCCGTTCTCTGGCTCTGGACGAGTCAACACAGGGTCAACGCTCGC
CTCTCGGGTCTCTGAGCGAGGACCCCAATCCCAAGGTGACGTGGCCACCCCGTGGCTGTGTTCTG
CCTGTACAATGAAGTCAACGGACAAGTGCCTTTGTGGGACCTCGGTGCCACCCTCAACTTTCTCAAGGC
TCACTTCTCCCCAGCAACATCGTCAGAGACCCTCTGCACCTGGACCAGCATCCCGAGGGGCACCCAG
GATCCAGAAGCTTCCCCAACCTGCTTTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053431

Insert Size: 1713 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:

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_053431.3](#), [NP_445883.1](#)

RefSeq Size: 2439 bp

RefSeq ORF: 1713 bp

Locus ID: 84491

UniProt ID: [Q6IUU3](#)

Cytogenetics: 13q21

Gene Summary: FAD-dependent sulfhydryl oxidase [RGD, Feb 2006]

Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, compared to variant 1. It encodes isoform B which has a shorter, distinct C-terminus when compared to isoform A.