

Product datasheet for **RR200253**

Qsox1 (NM_001109898) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Qsox1 (NM_001109898) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Qsox1
Synonyms:	Qscn6; Qsox; rSOx; Sox-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR200253 representing NM_001109898
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGAGGTGCGGCCGCACTCGGGCCGCGTCTGCTGCTACTTCTGCTGCTCCCGCCGCTGC
 TGCTCTCGGTGCCCGCGCTTACGCGGCCGCGCTCTCGGTGCTCTACTCGTCTCTGATCCACTGACGCT
 GCTGGATGCGGACACCGTGCGCCGCGTGTGCTGGATCCAGTAGCGCCTGGGCGGTGGAGTTCTTCGCC
 TCCTGGTGTGGCCATTGCATCGCCTTCGCTCCGACGTGGAAGGAGCTTGTAACGACGTGAAAGACTGGA
 GGCCAGCACTAAATCTTGTCTGCTGGACTGTGCTGATGAGACCAATAGTGTCTGTCAGAGAGTTCAA
 CATCGCCGGTCCCACTGTGAGGTTTTTAAGGCCTTTTCCAAGAACGGTACTGGAACAGCATTGCCA
 GCCGCTGGTGCTAATGTGCAGACGCTGCGTATGAGGCTCATCGATGCTCTGGAGTCCCACCGTGACACGT
 GGCCCCAGCATGTCCACCCTGGAGCCTGCCAAGCTGAAGGATATCAATGAATCTTTACAAGAAGTAA
 AGCAGAGTACCTGGCCCTGATCTTTGAAAGGGAAGACTCCTATCTGGGTAGAGAGGTAACCTGGACCTG
 TCCAGTTCATGCTGTGGCAGTGCGCAGGGTCTTGAATTCAGAGAGCGACGTGGTGGAGCAAGTTTGCTG
 TCACTGACTTTCCATCTTGTACCTGCTGCTTCGGAATGGTTCTGTTTCCCGAGTGCCTGTGCTGGTAGA
 GTCCAGGCCTTTTATACATCCTACCTGCGGGGCTCCCTGGACTGACCAGGGAGGCTCCCCAACCACA
 GCTGCACCAGTCACTCCTGATAAGATAGCACCCACAGTGTGGAAGTTTGCAGACCCTCCAAGATCTACA
 TGGCTGACCTGGAGTCTGCACTACACTACACTCTTGCCTGTAGAAGTGGGAAAGTTCTCAGTTCTGGAGGG
 ACAGCGCTTGGTGGCCCTGAAAAAGTTTGTGGCAGTATTGGCCAAGTACTTCCCTGGCCAGCCTCTGGTC
 CAGAATCTTGCATTCCATAAACGATTGGCTTCAGAAGCAGCAGAAAAAGAAGATTCCCTATAGTTACT
 TCAAAGCCGCTCTGGACAGCAGGAAGGAGAACGCTGCTTGTGAGAAGGTGAAGTGGATTGGTTGCCA
 GGGCAGTGAGCCACATTTCCGGGATTCCCTGCTCCCTGTGGTCTCTTCCACTTCTGACTGTGCAG
 GCACACCGATACAGTGAAGCCCAACCAAGAACCAGCTGACGGCCAGGAGGTCCTGCAAGCCATGCGAA
 GCTATGTGCAGTCTTCTCGGCTGCCGAGACTGTGCAACCATTTTGGAGCAGTGGCTGCAGCATCCAT
 GCACCAAGTGAAGTCCAGTAATGCCGTTCTCTGGCTCTGGACGAGTCAACACAGGGTCAACGCTCGC
 CTCTCGGGTGTCTGAGCGAGGACCCCAATCCCAAGGTGACGTGGCCACCCCGTGGCTGTGTTCTG
 CCTGTCAATGAAGTCAACGGACAAGTGCCTTTGTGGGACCTCGGTGCCACCCTCAACTTTCTCAAGGC
 TCACTTCTCCCCAGCAAACATCGTCAGAGACCCTCCTGCACCTGGACCAGCATCCCGAGGGGCACCCAG
 GATCCAGAAGCTTCCCCAACCTGGTAATGGATACATTAACACTGGAGACCGGGAATTCAGTGTGGGCC
 ATGAGCAGGCTGCTTCTGCAGCATCCCCGGGAGCCACTGCCTAGATGTACCAGCTGGGAAGCCTGAAGC
 AAGTGGTCCCCAGGAACTAAACGCAGGCCTCAGTATGGGTGGAGCGTCACCAGGGCAGGGCCCTCCTGAG
 CACACGGAAGAGCTTCTGAGGGATGTGCAGGAGAATGCCAGGGGCAGCAACACTTGAGCAAGAGAGACA
 CTGAAGCCTTATTGCTGCCTGAGGTGAACACCTCCAAGGCCCTTAGCGCCAGGCGAGGGCCACAG
 CCCCAGCAGCTAGCCAGTATACTCGAAGGAGAGCCAGAGGCCCTAGCTATACAGGGCCGACGCCAGTGG
 CTCCAGGTTCTGGGAGGAGGAGTTTCTTCTGGACATTAGCCTCTGTGTGGGCTCTACTCTGTGTCTCT
 TCATGGGCTTGTGGCCATGTATACCTACTTCCGGGCCAGGATGAGAACCCCAAGGGCCATGTTAGTTA
 CCCCACAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200253 representing NM_001109898
Red=Cloning site Green=Tags(s)

MRRCGRHSGPPSLLLLLLLLPLLLLSVPGAYAARLSVLYSSSDPLTLLDADTVRPAVLGSSSAWAVEFFA
 SWCGHCIAFAPTWKELANDVKDWRPALNLAVLDCADETNSAVCREFNIAGFPTVRFKAFSKNGTGTALP
 AAGANVQTLRMRLIDALESHRDTWPPACPPLEPAKLDINEFFTRSKAEYLALIFEREDSYLGREVTDL
 SQFHAVAVRRVLNSESDVVSKFVTDFFPSCYLLLRNGSVSRVPVLVESRPFYTSYLRLPLGTREAPPTT
 AAPVTPDKIAPTVMKFAADRSKIYMADLESALHYILRVEVGKFSVLEGRQLVALKKFVAVLAKYFPGQPLV
 QNFLHSINDWLKQKQKKKIPYSYFKAALDSRKENAVLAEKVNWIGCQGSEPHFRGFPCSLWLFHFLTQV
 AHRYSEAHPQEPADGQEVLMQMSYVQSFFGCRDCANHFQMAAASMHQVKSPSNAVLWLTSHNRVVAR
 LSGALSEDPQFPKQVWPPRELCSACHNEVNGQVPLWDLGATLNFKAHFSPANIVRPPAPGPASRRGTQ
 DPEASPNLVMDTLKLETGNSVLGHEQAASAASPGATALDVPAGKPEASGPQELNAGLSMGGASPGQGPPE
 HTEELLRDVQENAQQQHL SKRDEALLPEVNHLLQGPLAPRRGGHSPKQLASILEGEPEALAIQGRRQW
 LQVLGGVVSFLDISLCVGLYSVFSFMGLLAMTYFRARMRTPKGVHSYPTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001109898

ORF Size: 2250 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_001109898.1](#), [NP_001103368.1](#)

RefSeq Size: 3290 bp

RefSeq ORF: 2253 bp

Locus ID: 84491

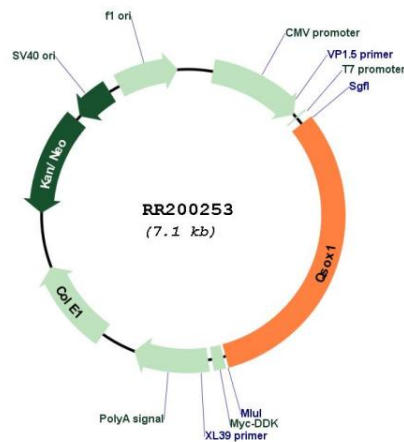
UniProt ID: [Q6IUU3](#)

Cytogenetics: 13q21

MW: 82.4 kDa

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

Product images:



Circular map for RR200253