

Product datasheet for **MR209683**

Qsox2 (NM_153559) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Qsox2 (NM_153559) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Qsox2
Synonyms:	BC030934; Qscn; Qscn6l1; QSO; Soxn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR209683 representing NM_153559
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCCGCCCGGGCTGTGGCGCGGGATCCAGGAGCTTATGCGCGGCAGCCACCGTCTCTTCGAGCCG
 CGCGGCTGCCCGCGGCTGCTCTTCTGCTGGCGGTGGTGGCGGCAGTGGGGCCCCGGGAGGGCGCGGGG
 CGCGGCTTACCGCGAGGGCTCAGACGCCGTGTGGTTGCTGGACAGCGGCAGCGTGCGGTCCGGCCACGGG
 AACAGCTCAGCCGCGTGGCTGGTGCAGTCCACTCGTCGTGGTGCGGCCACTGCATCGGCTACGCACCCA
 CCTGGCGAGCGTGGCGGCGGACGTGCGAGACTGGGCTGCTGCCATCCGTGTTGCTGCTCGGACTGTGC
 AGAAGAAAAGAACCAGGATGTGTGCCGCACATATGACATCCACTTCTACCCACCTTCAGGTATTTTAA
 GCATTTACAAAGGAGTTTACAACGGGAGAAAATTTTAAAGGACCTGACAGGGAGCTGCGGACAGTCAGGC
 AGACAATGATCGACTTCTGCAGAACCATACTGAGGGCACCTGGCCTCCTGCATGCCACCCTGGACCC
 TATTCAGTCCAGTGACATCCTTTCTTTCATGGATAGCCACAGTGGCCAATACCATGCTATTGTGTTTAA
 AGCAATGGTTCTTATGTTGGACGAGAGGTGATCTTAGATTTGATTCCATATGAAAACATCATGGTGAAGC
 GAGCACTGGATACGGACAAGCATTCTGGGGACACTTGGCATTACTTCAGTGCCTTCTGTTACTTGAT
 TTACCCAAATGGGTCTCATGGACTGGTTAATGTTGCAAAGCCTCTACGATCGTTTTTCTCTCTCATTTA
 AAATCCTTACCAGATGTAAGGAAAAAGTCACTTTTCTTGCTGAAAAGTCCAACAAGAAGAAAAATCAG
 AGGTGGTGGTTTGGAAAGATTTGACAGGGCCAAGCTGTATACTGCAGACCTGGAGTCGGGACTTCACTA
 CCTGCTGAGAGTGGAGCTGGCTGCTCACAGGTCCCTGGCTGGAGCCCAGTTAAAGACATTCAGGGACTTC
 GTGACTGTCGTTGCCAAGCTGTTCCCTGGCCGGCCTGCAGTCAAGAAGCTGTTGGAGACACTGCAGGAGT
 GGTTGGCCAACCTCCCCCTGGACAAGATTCCATATAATGCCATCCTAGACCTAGTCAACAACAAAATGCA
 GATTTCTGGAATCTTTCTTACCAGCCACGTAAAGTGGTGGGATGTCAAGGAAGTCGATTGGAGTTGAGG
 GGCTACCCATGCTCCCTCTGAAAAGTGTTCACACTTTGACGGTTCAGGCCTCCACCCATCCAGAAGCGC
 TGGCTGGCACAGGCTTTGAAGGCCACCCCCAGGCTGTGTTGCAGGCCATCAGGAGATACATTGCGACATT
 CTTTGGGTGCAAAGAATGTGGTGAACATTTTGGAGAAATGGCTAAGGAGTCCATGGATTCTGTGAAAAGT
 CCAGACCAAGCTGTTCTCTGGCTTTGGAGAAAGCACAAACATGGTAAACAGCCGCTGGCAGGCCATTTGA
 GTGAGGACCCCAAGTTTCAAAGGTTCCATGGCCACTCCAGACCTCTGCCAGCCTGCCATGAGGAAAT
 TAAAGGCCTGGACAGCTGGAATGAGGGCCAGGTGCTTCTGTTCTGAAACAGCACTATAGCAGGGACAAC
 CTGGTGGACGCATACTCTGTGGACCAGGCAGTCTGGATCAGTTCTGAGAGCCAGACCTTGGCTGGGGC
 AGATGGCCAGACTCAGCCACGTGAACCTCCTGCCTCACTCCCTGTGGAGGAAGTTTCTTCTTTGAAACC
 TGGAGTCTGTGCTTAAAAACAACAAGCCAGATCATCGTTAGGTGTTTCAAGGATGAACACTCTGG
 TCTGTGAGCTTGAGAATTGGGCCTATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209683 representing NM_153559
Red=Cloning site Green=Tags(s)

MAAARAVARDPGAYARQPPSLRAARLPRLLFLLAVVAAVGPREGGGARLYREGSDAVWLLDSGVSRSATG
 NSSAAWLVOFHSSWCGHCIGYAPTWRALAADVRDWAIRVAALDCAEKNQDVCRTYDIHFYPTFRYFK
 AFTKEFTTGKFKGPDRELRTVRQTMIDFLQNHTEGTWPPACPLDPIQSSDILSFMDSHSGQYHAIVFE
 SNGSYVGREVILDLPYENIMVSRALDTDKAFLGTLGITSVPCYLIYPNGSHGLVNVAKPLRSFFSSHL
 KSLPDVRRKSLFLPEKSNKEEKSEVVVWKEFDRAKLYTADLESGLHYLLRVELAAHRSLAGAQLKTRDF
 VTVYAKLFPGRPAVKLLETLQEWLANLPLDKIPYNAILDVNNKMQISGIFLTSVHKWVGCQGSRLER
 GYPCSLWKLFTLVQASTHPEALAGTGFEGHPQAVLQAIRRYIRTFFGCKEKGHEEMAKESMDSVKT
 PDQAVLWLRKHNMVNSRLAGHLSDPKFKVPWPPTDLCPACHEEIKGLDSWNEQVLLFLKQHYSRDN
 LVDAYSVDQGSVLRARPWLQMARLSHVNLLPHFPVEEVSSLKPGVLCCKTNKPRSSLGVSKEHSHW
 SVSLRIGPI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9014_c05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153559

ORF Size: 1917 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_153559.3](#)

RefSeq Size: 2449 bp

RefSeq ORF: 1920 bp

Locus ID: 227638

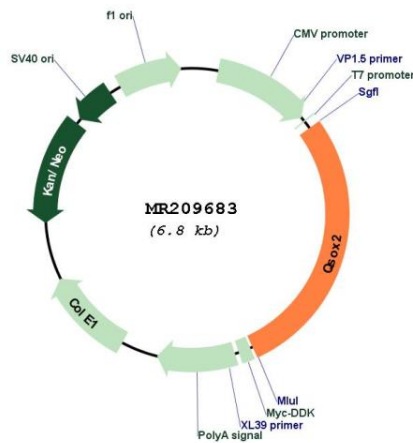
UniProt ID: [Q3TMX7](#)

Cytogenetics: 2 A3

MW: 71.9 kDa

Gene Summary: This gene encodes a member of the sulfhydryl oxidase protein family. Members of this family catalyze formation of disulfide bonds. A similar protein in humans may sensitize neuroblastoma cells to interferon gamma-induced cell death. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]

Product images:



Circular map for MR209683