

Product datasheet for **MC228693**

Qsox2 (NM_001302956) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Qsox2 (NM_001302956) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Qsox2
Synonyms:	BC030934; Qscn; Qscn6l1; QSO; Soxn
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228693 representing NM_001302956
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCCGCCCGGGCTGTGGCGCGGGATCCAGGAGCTTATGCGCGGCAGCCACCGTCTCTTCGAGCCG
 CGCGGCTGCCCGGCTGCTCTTCTGCTGGCGGTGGTGGCGGCAGTGGGGCCCCGGGAGGGCGCGGGC
 GCGGCTCTACCGCAGGGCTCAGACGCCGTGTGGTTGCTGGACAGCGGCAGCGTGCGGTCCGGCCACGGG
 AACAGCTCAGCCGCTGGCTGGTGCAGTCCACTCGTCGTGGTGCGGCCACTGCATCGGCTACGCACCCA
 CCTGGCGAGCGTGGCGGCGGACGTGCGAGACTGGGCTGCTGCCATCCGTGTTGCTGCTGGACTGTGC
 AGAAGAAAAGAACCAGGATGTGTGCCGCACATATGACATCCACTTCTACCCACCTTCAGGTATTTTAA
 GCATTTACAAAGGAGTTTACAACGGGAGAAAATTTAAAGGACCTGACAGGGAGCTGCGGACAGTCAGGC
 AGACAATGATCGACTTCTGCAGAACCATACTGAGGGCACCTGGCTCCTGCATGCCACCCCTGGACCC
 TATTCAGTCCAGTGACATCCTTTCTTCATGGATAGCCACAGTGGCCAATACCATGCTATTGTGTTTAA
 AGCAATGGTTCTTATGTTGGACGAGAGGTGATCTTAGATTTGATTCCATATGAAAACATCATGGTGAACC
 GAGCACTGGATACGGACAAGCATTCTGGGGACACTTGGCATTACTTCAGTGCCTTCTGTTACTTGTAT
 TTACCCAAATGGGTCTCATGGACTGGTTAATGTTGCAAAGCCTCTACGATCGTTTTTCTCCTCTCATTTA
 AAATCCTTACCAGATGTAAGGAAAAAGTCACTTTTCTTGCTGAAAAGTCCAACAAAAGAAAAATCAG
 AGGTGGTGGTTTGGAAAGAAATTTGACAGGGCCAAGCTGTATACTGCAGACCTGGAGTCCGGACTTCACTA
 CCTGCTGAGAGTGGAGCTGGCTGCTCACAGGTCCCTGGCTGGAGCCAGTTAAAGACATTCAGGGACTTC
 GTGACTGTCGTTGCCAAGCTGTTCCCTGGCCGGCTGCAGTCAAGAAGCTGTTGGAGACTGCAGGAGT
 GGTTGGCCAACCTCCCCCTGGACAAGATTCCATATAATGCCATCCTAGACCTAGTCAACAACAAAATGCA
 GATTTCTGGAATCTTTCTTACCAGCCACGTAAAGTGGTGGGATGTCAAGGAAGTCGATTGGAGTTGAGG
 GGCTACCCATGCTCCCTCTGAAAAGTGTTCACACTTTGACGGTTCAGGCCTCCACCCATCCAGAAGCGC
 TGGCTGGCACAGGCTTTGAAGGCCACCCCAAGGCTGTGTTGCAGGCCATCAGGAGATACATTGCGACATT
 CTTTGGGTGCAAAGAATGTGGTGAACATTTTGGAGAAATGGCTAAGGAGTCCATGGATTCTGTGAAAAGT
 CCAGACCAAGCTGTTCTGCTGGCTTTGGAGAAAGCACAACATGGTAAACAGCCGCTGGCAGGCCATTTGA
 GTGAGGACCCCAAGTTTCCAAGGTTCCATGGCCACTCCAGACCTCTGCCAGCCTGCCATGAGGAAAT
 TAAAGGCTGGACAGCTGGAATGAGGGCCAGGTGCTTCTGTTCTGAAACAGCACTATAGCAGGGACAAC
 CTGGTGGACGCATACTCTGTGGACCAGGCAGTCTGGTGGTGGGAAGCCAGGCAGAGAGCAAGAAG
 AAGGCAAAGTCTTAACCCCTCAGGGAAGTCTGGAGACACCATGACACTGGGAGTCTCCGTCCACCCCA
 TATCCTGGGTCCAGAACTGACCTTTCCAAGAGCTGCATCACAGGCTGGACCTAAGACTCCAGAGCCCT
 CAGGGGCCCAAGGCACTTAAGGAGGCCAAGGCAGTTGTGCCCTTCTTGGGGTGGCTTCTCCAGTCTGG
 ACATGAGCCTCTGCGTGGTGTCTACGTGGCCTCCTCCTGTTCTGATGATCATGTACTTCTTCTTCAG
 AGTGAGGTCCAAGCGATGGAAAGTCCGGCTCTACCACCCAGCTGTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001302956
Insert Size: 2079 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001302956.1</u> , <u>NP_001289885.1</u>
RefSeq Size:	3914 bp
RefSeq ORF:	2079 bp
Locus ID:	227638
UniProt ID:	<u>Q3TMX7</u>
Cytogenetics:	2 A3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>