

Product datasheet for **MC204109**

Qsox2 (NM_153559) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Qsox2 (NM_153559) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Qsox2
Synonyms:	BC030934; Qscn; Qscn6l1; QSO; Soxn
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC030934
 CCCACGCGTCCGCGGACGCGTGGGCGCCGGTTGCCAGGGTCAAAGGTCAACGCGCCGGCGGCACTCCCAA
 CATGGCTGCCGCCGGGCTGTGGCGCGGATCCAGGAGCTTATGCGCGGCAGCCACCGTCTCTTCGAGCC
 GCGCGGCTGCCGCGGCTGCTCTTCTGCTGGCGGTGGTGGCGGCAGTGGGGCCCCGGGAGGGCGGCGGGG
 CGCGGCTCTACCGCGAGGGCTCAGACGCCGTGTGGTTGCTGGACAGCGGCAGCGTGGGTGCGCCACGGG
 CAACAGCTCAGCCGCGTGGTGGTGCAGTTCCTACTCGTCGTGGTGGCCACTGCATCGGCTACGCACCC
 ACCTGGCGAGCGTGGCGCGGACGTGCGAGACTGGGCTGCTGCCATCCGTGTTGCTGCTGGACTGTG
 CAGAAGAAAAGAACCAGGATGTGTGCCGCACATATGACATCCACTTCTACCCACCTTCAGTATTTTAA
 AGCATTTACAAAGGAGTTTACAACGGGAGAAAATTTTAAAGGACCTGACAGGGAGCTGCGGACAGTCAGG
 CAGACAATGATCGACTTCTGCAGAACCATACTGAGGGCACCTGGCTCCTGCATGCCACCCCTGGACC
 CTATTCAGTCCAGTGACATCCTTTCCTTATGATAGCCACAGTGGCCAATACCATGCTATTGTGTTTGA
 AAGCAATGGTTCTTATGTTGGACGAGAGGTGATCTTAGATTTGATTCCATATGAAAACATCATGGTGA
 CGAGCACTGGATACGGACAAAGCATTTCTGGGACACTGGCATTACTTCACTGCCTTCTGTTACTTGA
 TTTACCCAAATGGTCTCATGGACTGGTAAATGTTGCAAAGCCTCTACGATCGTTTTTCTCTCTCATT
 AAAATCCTTACCAGATGTAAGGAAAAAGTCACTTTTCTGCTGAAAAGTCCAACAAAGAAGAAAAATCA
 GAGGTGGTGGTTTGGAAAAGAAATTTGACAGGGCCAAAGCTGTATACTGCAGACCTGGAGTCGGGACTCACT
 ACCTGCTGAGAGTGGAGCTGGCTGCTCACAGGTCCTGGCTGGAGCCAGTTAAAGACATTCAGGGACTT
 CGTGACTGTCGTTGCCAAGCTGTTCCCTGGCCGGCCTGCAGTCAAGAAGCTGTTGGAGACTGCAGGAG
 TGGTTGGCCAACCTCCCCCTGGACAAGATTCCATATAATGCCATCCTAGACCTAGTCAACAACAAAATGC
 AGATTTCTGGAATCTTCTTACCAGCCAGTAAAGTGGTGGGATGTCAAGGAAGTCGATTGGAGTTGAG
 GGGCTACCCATGCTCCCTCTGAAAAGTGTTCACACTTTCAGGTTTCAGGCTCCACCCATCCAGAAGCG
 CTGGCTGGCACAGGCTTTGAAGGCCACCCAGGCTGTGTTGCAGGCCATCAGGAGATACATTCGCACAT
 TCTTTGGGTGCAAAGAATGTGGTGAACATTTTGGGAAATGGCTAAGGAGTCCATGGATTCTGTGAAAAC
 TCCAGACCAAGCTGTTCTGGCTTTGGAGAAAGCACAACATGGTAAACAGCCGCTGGCAGGCCATTTG
 AGTGAGGACCCCAAGTTTCAAAGGTTCCATGGCCACTCCAGACCTCTGCCAGCTGCCATGAGGAAA
 TAAAGGCTGGACAGCTGGAATGAGGGCCAGGTGCTTCTGTTCTGAAACAGCACTATAGCAGGGACAA
 CCTGGTGGACGCATACTCTGTGGACCAGGGCAGTCTGGATCAGTTCTGAGAGCCAGACCTTGGCTGGG
 CAGATGGCCAGACTCAGCCAGTGAACCTCTGCCTCACTTCCCTGTGGAGGAAGTTTCTTCTTGAAC
 CTGGAGTCTGTGCTTAAAAACAAACAAGCCAGATCATCGTTAGGTGTTTCCAAGGATGAACACTCTG
 GTCTGTCAGCTTGAAGTTGGGCTATTTAAGGACAGTCCAGTAAATGTCTGAGCCCGAAGGGTGGCC
 CTGGGCTGCCATAGCACCCACAGTGCCTGGCGTGGCTGATGTTTGCAGAAGCCACTCTGGGCAGATC
 CTACTTTCAGCTGCTTGTACAGTCCCAGTCACTCCCTTCTGGGGACAAGCTTCCACCGACATCCCT
 GTTTGAACTGTTCACTTGCAGTAAAAGGCTTGCATCCCTCCAGGGACCCATCTTTGGGCCAAGTGAA
 GGTCTGTTTTAAAGTCTGAAGTTTTATGAGAGGTATTAAGATTAATATCTAGAATAGTTCAGTAATTTAA
 ATGTTTTATTTATTTTAAATGCAAAGATTTTGGTAAAAGCAATTGGCATGAAAATGTCAATGAAATTT
 CTTAAGGGGTACATTTTGTATTTAAGTAACTCTAATGTGCACATTGTAAGAATAAAGAAATTTGACATT TAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_153559

Insert Size: 1920 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: [BC030934](#), [AAH30934](#)

RefSeq Size: 2466 bp

RefSeq ORF: 1920 bp

Locus ID: 227638

UniProt ID: [Q3TMX7](#)

Cytogenetics: 2 A3

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]
Transcript Variant: This variant (2) includes an alternate terminal exon, compared to variant 1, resulting in a novel 3' coding region and longer 3' UTR. It encodes isoform 2 which has a distinct C-terminus, compared to 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.