

## Product datasheet for **SC307347**

### QSOX2 (NM\_181701) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	QSOX2 (NM_181701) Human Untagged Clone
Tag:	Tag Free
Symbol:	QSOX2
Synonyms:	QSCN6L1; SOXN
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_181701 edited  
 ATGGCGGCGGCCGGGGCGGCGGTAGCGCGCAGCCCGGGAATCGGAGCGGGACCTGCGCTG  
 AGAGCCCGGCGCTCGCCCCGCCGCGGGCCGCACGGCTGCCGCGGCTGCTAGTGTGCTA  
 GCGGCGGCGGGTGGGGCCGGCGCGGGCGGTGCGGCGCGGCTGTACCGCGGGGCGAG  
 GACGCCGTGTGGTGTGGACAGCGGCAGCGTGCAGGGGCCACCGCAACAGCTCGGCC  
 GCGTGGCTCGTGCAGTTCTACTCGTGTGGTGTGGCCACTGCATCGGCTACGCGCCACT  
 TGGCGGGCCCTGGCTGGGGATGTGCGAGACTGGGCCAGTGCCATTGCGGTGCGAGCTCTG  
 GACTGCATGGAAGAGAAGAACCAGGCCGTGTGCCATGACTACGACATCCACTTCTACCCC  
 ACCTTCCGGTATTTTAAAGCATTTACAAAAGGAGTTTACAACCTGGAGAAAAATTTAAAGGA  
 CCTGACCGAGAGCTGCGAACAGTCAGACAGACGATGATTGACTTCTGCAGAACCACAG  
 GAAGGAAGCCGGCCCCCTGCCTGCCGCGCCTAGACCCATTAGCCAGTGATGTTCTT  
 TCCCTTGTGACAACCGTGGCAGCCATTACGTGGCTATTGTCTTTGAAAGCAACAGCTCC  
 TACCTTGGACGGGAGGTGATCTTAGACCTGATCCCGTATGAAAGCATCGTGGTACCCGA  
 GCACTGGACGGGACAAAGCATTCTGGAGAACTTGGTGTCTTTCAGTCCCTTCGTGT  
 TACCTGATCTACCAAATGGGTGCGATGGATTGATTAACGTCGTGAAGCCTCTGCGGGCC  
 TTCTTTTCGTCTTATTTGAAGTCATTGCCGGATGTGAGGAAAAATCGCTTCCCTTGCT  
 GAAAAGCCACACAAGAAGAAAATTCAGAAATCGTGGTTTGGAGAGAATTTGACAAGTCG  
 AAGCTGTACACGGTGGACCTGGAGTCAGGGCTACACTACCTCCTGCGGGTGGAGCTGGCA  
 GCCACAAGTCCCTGGCCGGAGCAGAGCTGAAGACGCTCAAGGACTTTGTGACTGTCTTG  
 GCCAAGCTGTTCCCTGGACGGCCCGCAGTCAAGAAGCTGTTGGAGATGCTGCAGGAGTGG  
 CTGGCCAGCCTTCCCCTGGACAGGATCCCCTACAACGCGGTGCTTACCTGGTCAACAAC  
 AAGATGCGGATTTCTGGAATATTCCTTACTAATCACATAAAGTGGGTTGGATGTCAAGGA  
 AGCCGATCTGAGTTGAGGGGTTACCCGTTCTCTCTGGAACTGTTCCACTTTGACT  
 GTTGAAGCCTCGACCCACCCAGATGCACTGGTTGGCACAGGCTTTGAAGACGACCCCGAG  
 GCTGTGCTGCAGACAATGAGGAGGTACGTTACACCTTCTTTGGGTGTAAGGAATGTGGT  
 GAGCACTTTGAGGAAATGGCTAAAGAATCCATGGACTCGGTGAAAACCCAGACCAAGCC  
 ATCCTCTGGTGTGGAAGAAGCATAATATGGTGAACGGCCGCTGGCAGGCCATCTGAGT  
 GAGGATCCCCGGTTTCAAAGCTTACGTGGCCACTCCGGACCTCTGCCAGCCTGCCAT  
 GAGGAAATTAAGGGCCTGGCCAGCTGGGATGAAGGCCACGTGCTCACATTCTTGAAGCAG  
 CACTATGGCCGACAACTCTTAGACACGTATCCGACAGACCAGGGGATTCCAGTGAA  
 GGAGGAACCTGGCCAGGGGTGAGGAAGAGGAGAAAAGACTCACTCCCCAGAGGTGTC  
 CATGGAGACCGAGACCCAGAGCGTCCGTCCACCTGGTCACTGGGCCCCAGGCCTGCC  
 CTTCAGAGAGCTTGCATCACAGCTTGGACGGGAACTCCAGAGTCTGGATGGGCCCGGG  
 GCCACAAGGAGGTGGGCGGGGCGCACCTTCTCGGGTTGACTTCTCCAGCCTGGAC  
 ATGAGTCTCTGTGCTGTACGTGGCTTATCCCTGTTCTCATGGTGTACTTCT  
 TTCTTCCGGGTGAGGTCCAGGCGGTGGAAGTCAAGCACCACCACCCGGCCGTGTGAGTG  
 CCCGGGTGCTGCCAGCCACGGCGGAAGCTCCCTTGGAGGCAGCCCTGCCCGTGCCACCT  
 GCAGCTTTAATATTTATGATCAGGGATTTATAAATGCGGGCCTGGTTTACATCGGA  
 TGGCACCTTTTGGCTTCAAAGTCTGGTTTTACAAACGCTCTTCTAACAAAGGGAAGAACA  
 CGGGTAATTTTGTGGGATATTTGCATTCTGGCGTACTCAAGTCTGTTTCATGCTCCTT  
 TTGCAGGTCTTACAGCAAAAAGACTTCTGTATTTTACTCTT

**Restriction Sites:** Please inquire

**ACCN:** NM\_181701

**Insert Size:** 2400 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).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_181701.2</a> , <a href="#">NP_859052.2</a>
<b>RefSeq Size:</b>	4582 bp
<b>RefSeq ORF:</b>	2097 bp
<b>Locus ID:</b>	169714
<b>UniProt ID:</b>	<a href="#">Q6ZRP7</a>
<b>Cytogenetics:</b>	9q34.3
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	QSOX2 is a member of the sulfhydryl oxidase/quiescin-6 (Q6) family (QSOX1; MIM 603120) that regulates the sensitization of neuroblastoma cells for IFN-gamma (IFNG; MIM 147570)-induced cell death (Wittke et al., 2003 [PubMed 14633699]).[supplied by OMIM, Jun 2009]