

## Product datasheet for **SC109932**

### **SORBS2 (NM\_003603) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SORBS2 (NM_003603) Human Untagged Clone
Tag:	Tag Free
Symbol:	SORBS2
Synonyms:	ARGBP2; PRO0618
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_003603, the custom clone sequence may differ by one or more nucleotides

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ATGAACACAGGGCGTGATTCTCAGTCACCAGACTCAGCAAAGGTTTTAGAAGCGTTTCGACCAAACCTAC
AAGATAAAAGATCACTCACTCAGAGCCAGATAACAGTGAATGGAACTCAGGAGGTGCCGTGAGTCCCAT
GAGTTACTATCAGAGGCCGTTTTCCCTCGGATATTCTCTCCAGCCTCACTCACTCCAGCATTGTC
ATGCAGCACGGCACATCCCTCGATTCCACAGACACATATCCCAGCATGGCAGTCTCTGGATGGCACCA
CCAGCAGCTCTATCCCTGTACCGATCCTCAGAGGAAGAGAAGAGAGTGACAGTCAAAAGCCCGCA
TTACCCAGGGATCGGGCCGTGGATGAATCCGGAATCCCACAGCAATTAGAACGACAGTCGACCGGCC
AAGGACTGGTACAAGACGATGTTAAGCAAATTCACATGGTGCACAAGCCGGATGATGACACAGACATGT
ATAATACTCCTTATACATACAATGCAGGTCTGTACAACCCACCCTACAGTGTCTCAGTACACCCCTGCTGC
AAAGACCCAAACCTACAGACCTCTTTCCAAAAGCCACTCCGACAACAGCCCAATGCCTTAAAGGATGCG
TCCTCCCAGTGCCTCCCCACATGTTCCACCTCCAGTCCCGCCGCTTCGACCAAGAGATCGGTCTTCAA
CAGAAAAGCATGACTGGGATCCTCCAGACAGAAAAGTGGACACAAGAAAATTTTCGGTCTGAGCCAAGGAG
TATTTTTGAATATGAACCTGGCAAGTCAATTTCTTCCAGCATGAAAGACCAACTGATCGCATAAATCCA
GATGACATAGATTTAGAAAATGAGCCCTGGTATAAATCTTTTCAGAACTGGAGTTTGGACGCCCGCCTC
CTAAAAAGCCTCTGGACTATGTTCAAGATCATTCTTCTGGTGTTCATGAGGCCTCCTTGATCAGTC
CTCTATAGACAGAAGCCTGGAAAGACCCATGAGTTCTGCAAGCATGGCCAGTACTCAGGAAGCGGAGG
AAGAGCGAGCCTCGAGTGGTCCACCACGGGGCTTGGGAGATCAAAGTGCAGCAGGACTAGCCAGGCC
GAGTGGACCTCCAGGATCAAGCACCCTTTACAAGTCTTTCAGTCTTCTCCTTCTTCCCATC
AAGAGCAAAAGACCGTGAGTCCCCTAGAAGTACTCATCCACTTGGACTGACATGGGGAGAAGTGCACCA
AGGGAAAAGAGGAAGTCCAGAAAAGAGAAAATTCGCTGCAAAAAGCTGTTTATGATTTAAAGGCTCAGA
CATCTAAGGAGTTGTCTTTAAGAAAAGGAGATACTGTCTACATCCTCAGGAAAATTTGATCAAAAATGGTA
TGAGGGAGAACCACCGGAGAGTGGGCATCTTCCCGATCTCATACGTAGAGAAACTCACACCTCCTGAG
AAAGCACAGCCTGCAAGACCACCTCCGCCAGCCAGCCCGGAGAAAATCGGAGAAGCTATAGCAAAATACA
ACTTCAACGCAGACACAAATGTGGAGCTGTCACTGAGAAAAGGAGATAGAGTTATTTCTTAAAAGAGT
TGATCAAACTGGTATGAAGGTAATCCAGGAACCAACAGACAAGGCATCTTCCCTGTTTCTATGTG
GAGGTCGTCAAGAAGAACACAAAAGGTGCTGAGGACTACCCTGACCTCCAATACCCACAGCTATTCTA
GTGATAGGATTCAGCTTGAGCTCAAATAAGCCACAGCGTCTGTGTTACTCATGAAAATATTCAAGG
TGGGGGGAAACCGTTTCAGGCTCTGTATAACTATACTCCAGGAATGAAGATGAGCTGGAGCTCAGAGAA
AGTGATGTCATTGATGTCATGAAAAGTGTGATGACGGCTGGTTGTGGGGACCTCAAGAAGAACCAAT
TCTTTGTTACTTTCCCGGAAACTACGTCAAGAGGCTGTGA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_003603 unedited

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TAATACGACTCACTATAGGGCGCCGCAATTCGGCACGAGGGGCATATTCTGCTGAGCT
TCGCCCTGGAAGAAGCCTTTTTATACATCTTTCAGGGAAGAGAGAAGCAATGGGCATG
TTAGTATACAATGATCACAGCCACGCAGCCTGCAAGCTGCCTTTTGGACAGGCTGTTGA
CTGCCGTTCCAATTAGCTGATTGGAGAATGTGGAATGCAGAGTGATAATGCTGCATATCT
GCTATCAGGCAGCAGCAAAGGTTTTTGTCTTGGGAAGGCAAGCTTCCCTGCAATATTAT
CTCAGCAGCTCCCTAGCTGCTTACCCTGAAAACGAGGGATCCAAACGGAGGGTGTTCAC
TCTGCTAACGCTGGTCTGTGCGTGGCTGTGGCATATGAGCGGCAGGTCTGAAAAAGCAG
GTGTGTGCTGGGACGGGCACTGGACTGGAACGCAGGCGGACGCTCTCGGGTTTACCTGCT
TCCTGTTAACAGATTGTGGGCTCCAGGGCATATGTCTGCACGCTGAGGCCGAGGCGGAG
AAGGGGCTTCCCTGAGCGTCCCAGTACACTGACAGAGACACTTGGATTGGACTTAATCTTA
AACCTCTGGAGTTCAAGACCTTTTAAAAAGGGTAAATAAACAATCTCTACATGTAAAAG
GCCACTGACTCCTACTTCTGTATAGAGCAACTGTTGAACTCAGCTGCCTGTANGAAA
CTGAAGACTTTAATAACAACCTCNCAGGTGAAATGACAAGATAGCGGNGGGGTGGCTCGC
AACGTGCCGATATGTCTGCGCTACATTGTGAGAGATGGCAAGTCTTCAACTATGGCTGC
AGGGTGATCTCATCAGACTGCTTGGGGAATCTACATGATGCATCAGAACATGACGGAGA
GCC
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_003603 unedited ATGGCCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGCCTCAAAATTTGA CCATTTTTAAATATCATGATTTTTTTCTTTCTGATCCCACATTTTGACGTGTCAAAGCTT AGAGCAGGAAGTAGGAATCCACACTTTCACGGAGGGGGACCAGCCTGCCATGTCGTCCCC AGGCTCACAGCAGCGCGGCTACTCTGCTGGTGGTTTGGTGGCAGGTGGAGATGGTGACG GCGCATTGGAAACCGTAAGGCATGACAACGGGAGGCCCGCGGGGTGTTTCAGGCGCGTTG ACGCAGGTGCATGGCTGGCAGGCGGCCTCTACAGAAGGAGGGAGCGCAATTCACAGCCTC TTGACGTAGTTTTCCGGGAAAGTACCAAAGAATTTGGTTCTTCTTGAGGTCCCCACAAAC CAGCCGTCATCACACTTTTCCATGACATCAATGACATCACTTTCTCTGAGCTCCAGCTCA TCTTCATTCTGGGAGTATAGTTATACAGAGCCTGAAACGGTTCCCCCACCTTGAATA TTTTCATGAGTAAACACAGGACGCTGTGGCTTATTTGAGCTCAAGCTGTGAATCCTATCA CTAGAATAGCTGTGGGTATTGGAGGGTCANGGTAGTCCTCAGCACCTTTTGTGTCTTC TTGACGACCTCCACATANGAAACAGGGAAGATGCCTTGCTGTTGGTTCTCGGATTTTA CCTTCATACCAGTTTTGATCAACTCTTTAAGAAGAAAACCTATCTCCCTTTCTTAGTG ACAGCTCCACATTTGTGTCTGCGTTGAAGTTGCATTTGGCTATACTTCTCCGATTTCTCC GGCTGGCCTGGCGGAGGTGGCCTGCCAGCTGGCCTTTTCAGAAGGGTGAATTTCTTTCT TTGAAAACGCGAGAACCCT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003603
<b>Insert Size:</b>	3630 bp
<b>OTI Disclaimer:</b>	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>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>	<u><a href="#">NM_003603.3</a></u> , <u><a href="#">NP_003594.2</a></u>
<b>RefSeq Size:</b>	4939 bp
<b>RefSeq ORF:</b>	1863 bp
<b>Locus ID:</b>	8470
<b>UniProt ID:</b>	<u><a href="#">O94875</a></u>
<b>Cytogenetics:</b>	4q35.1
<b>Domains:</b>	SH3, Sorb

**Gene Summary:**

Arg and c-Abl represent the mammalian members of the Abelson family of non-receptor protein-tyrosine kinases. They interact with the Arg/Abl binding proteins via the SH3 domains present in the carboxy end of the latter group of proteins. This gene encodes the sorbin and SH3 domain containing 2 protein. It has three C-terminal SH3 domains and an N-terminal sorbin homology (SoHo) domain that interacts with lipid raft proteins. The subcellular localization of this protein in epithelial and cardiac muscle cells suggests that it functions as an adapter protein to assemble signaling complexes in stress fibers, and that it is a potential link between Abl family kinases and the actin cytoskeleton. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) differs at the 5' end, and contains a small in-frame insertion and a large in-frame deletion compared to transcript variant 2. It encodes a shorter isoform (1) with a different amino-terminal, but the same carboxy-terminal sequence containing three SH3 domains, as isoform 2. 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.