

Product datasheet for **SC326636**

SORBS2 (NM_001145674) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SORBS2 (NM_001145674) Human Untagged Clone
Tag: Tag Free
Symbol: SORBS2
Synonyms: ARGBP2; PRO0618
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001145674, the custom clone sequence may differ by one or more nucleotides

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ATGAAAGCAACAACACCTTTGCAGACAGTCGACCGGCCCAAGGACTGGTACAAGACGATG
TTTAAGCAAATTCACATGGTGCACAAGCCGGTCTGTACAACCCACCCTACAGTGCTCAG
TCACACCTGCTGCAAAGACCAAACTACAGACCTCTTCCAAAAGCCACTCCGACAAC
AGCCCCAATGCCTTAAGGATGCGTCTCCCAAGTGCCTCCCCACATGTTCCACCTCCA
GTCCCGCGCTTCGACCAAGAGATCGGTCTTCAACAGAAAAGCATGACTGGGATCCTCCA
GACAGAAAAGTGGACACAAGAAAATTCGGTCTGAGCCAAGGAGTATTTTTGAATATGAA
CCTGGCAAGTCATCAATCTTCAGCATGAAAGACCAGCCTCCTTGATCAGTCCTCTATA
GACAGAAGCCTGGAAGACCCATGAGTTCTGCAAGCATGGCCAGTGACTTCAGGAAGCGG
AGGAAGAGCGAGCCTGCAGTGGGTCCACCACGGGGCTTGGGAGATCAAAGTGCAGCAGG
ACTAGCCCAGGCGAGTGGACCTCCCAGGATCAAGCACCCTTACAAAAGTCTTTCACT
AGCTCTTCTCCTTCTTCCCCATCAAGAGCAAAAGTGGGGATGATAGCAAAATATGTCCA
TCCCTTTGCACTTACTCAGGGCTCAACGGCAACCCCTCCAGTGAGTTAGATTACTGTAGC
ACTTACAGACAGCACTTGGATGTCCCTCGGGACTACCAAGAGCCATTAGTTTCAAGAAC
GGCTGGCAAATGGCCCGCAAAACGCAGAAATCTGGAGCAGCACGGAAGAAACCGTCTCT
CCCAAAATCAAATCCCGGAGCTGTGACGATCTCCTAACGACGACTGCGATAGCTTCCCG
GACCCGAAAGTCAAGTCGAAAGCATGGGCTCCCTGTTATGTGAGGAGGACTCCAAGGAG
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TCCACGGAGGAGTGGCCGGGACATGGTGGCCACACGCATCTCCGAATTCGAAAAGCTG
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GAACCACCGCAAATGGCCTATGTCCCAAGAGGGGTTTTCCATTGAGTATTTGCTGGAG
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GTGCCATTACATTGAAGTCACCAGCGATGAGCAGCCCCGAGCACACGTGGAGTTTTCC
GACAGCGACCAGGACGGGTTGTGTCCGACCACAGTGACTACATTCACCTAGAGGGGTCA
TCCTTCTGCAAGTAAAGTACTTTGATCACTTTTCTTCCATCTCCGAAAGCTTTTAC
GGATCCAGCCACCACCACCATCACCACCACCACCACCACCACCACCACCCTCATCAGCTCC
TGCAAAGGCAGGTGCCCGGCTCCTACACTCGATTTACCAATGTTAAAACACGAAAGA

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GCCAGACACGAAAACACCGAGGAGCCCAGAAGGCAAGAAATGGACCCTGGCCTTTCTAAA
CTTGCTTTTCTAGTCAGTCCTGTGCCTTCCGGAGGAAAAAATTCGGCTCCTAAGAAA
CAGACTGAAAAGGCAAAATGTAAAGCATCTGTGTTTGAGGCTCTGGACTCTGCCCTTAAA
GACATCTGTGACCAAAATTAAGCTGAAAAGAAAAGGGGAGCTTGCCGGACAACAGCATC
CTGCACCGCCTCATCAGTGAGCTGCTGCCAGATGTTCCCGAGAGGAACTCATCCCTGAGA
GCGCTGAGGAGGAGCCCCCTGCACCAGCCTCTCCACCCACTGCCTCCCGATGGTGCTATT
CATTGTCCACCCTACCAGAATGACTGCGGGAGAATGCCCGCAGTGCCTTTTCCAAGAC
GTGGACACAGCCAACAGCAGCTGCCACCACCAAGACCGTGGCGGTGCACTCCAAGACCGT
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GTAGAGAACTCACACCTCCTGAGAAAGCACAGCCTGCAAGACCCTCCGCCAGCCAG
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CTGTCACTGAGAAAGGGAGATAGAGTTATTCTTCTTAAAAGAGTTGATCAAACTGGTAT
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GTCAAGAAGAACAACAAAAGGTGCTGAGGACTACCCTGACCCTCCAATACCCACAGCTAT
TCTAGTGATAGGATTCACAGCTTGTGAGCTCAATAAGCCACAGCGTCTGTGTTTACTCAT
GAAAATATTCAAGGTGGGGGGAACCGTTTCAGGCTCTGTATAACTATACTCCAGGAAT
GAAGATGAGCTGGAGCTCAGAGAAAGTGATGTCATTGATGTCATGGAAAAGTGTGATGAC
GGCTGGTTTGTGGGGACCTCAAGAAGAACCAAAATCTTTGGTACTTTCCCGGAAACTAC
GTCAAGAGGCTG
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- Restriction Sites:** Please inquire
- ACCN:** NM_001145674
- 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:** 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.
- 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_001145674.1](#), [NP_001139146.1](#)
- RefSeq Size:** 5529 bp
- RefSeq ORF:** 3015 bp
- Locus ID:** 8470

UniProt ID: [O94875](#)

Cytogenetics: 4q35.1

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 (7) originates from an alternate promoter and has a different 5'UTR and first coding exon compared to variant 1. The resulting protein isoform (7) has a distinct N-terminus and is shorter than 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.