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Product datasheet for SC327964

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC327964 representing NM_003603.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAACACAGGGCGTGATTCTCAGTCACCAGACTCAGCAAAAGGTTTTAGAAGCGTTCGACCAAACCTA
CAAGATAAAAGATCACCAACTCAGAGCCAGATAACAGTGAATGGAAACTCAGGAGGTGCCGTGAGTCCC
ATGAGTTACTATCAGAGGCCGTTTTCCCCCTCGGCATATTCTCTCCCAGCCTCACTCAACTCCAGCATT
GTCATGCAGCACGGCACATCCCTCGATTCCACAGACACATATCCCCAGCATGCGCAGTCTCTGGATGGC
ACCACCAGCAGCTCTATCCCCCTGTACCGATCCTCAGAGGAAGAGAAGAGAGTGACAGTCATCAAAGCC
CCGCATTACCCAGGGATCGGGCCCGTGGATGAATCCGGAATCCCCACAGCAATTAGAACGACAGTCGAC
CGGCCCAAGGACTGGTACAAGACGATGTTTAAGCAAATTCACATGGTGCACAAGCCGGATGATGACACA
GACATGTATAATACTCCTTATACATACAATGCAGGTCTGTACAACCCACCCTACAGTGCTCAGTCACAC
CCTGCTGCAAAGACCCAAACCTACAGACCTCTTTCCAAAAGCCACTCCGACAACAGCCCCAATGCCTTT
AAGGATGCGTCCTCCCCAGTGCCTCCCCCACATGTTCCACCTCCAGTCCCGCCGCTTCGACCAAGAGAT
CGGTCTTCAACAGAAAAGCATGACTGGGATCCTCCAGACAGAAAAGTGGACACAAGAAAATTTCGGTCT
GAGCCAAGGAGTATTTTTGAATATGAACCTGGCAAGTCATCAATTCTTCAGCATGAAAGACCAACTGAT
CGCATAAATCCAGATGACATAGATTTAGAAAATGAGCCCTGGTATAAATTCTTTTCAGAACTGGAGTTT
GGACGCCCGCCTCCTAAAAAGCCTCTGGACTATGTTCAAGATCATTCTTCTGGTGTTTTCAATGAGGCC
TCCTTGTATCAGTCCTCTATAGACAGAAGCCTGGAAAGACCCATGAGTTCTGCAAGCATGGCCAGTGAC
TTCAGGAAGCGGAGGAAGAGCGAGCCTGCAGTGGGTCCACCACGGGGCTTGGGAGATCAAAGTGCGAGC
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TCTCCTTCTTCCCCATCAAGAGCAAAAGACCGTGAGTCCCCTAGAAGTTACTCATCCACTTTGACTGAC
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TATGATTTTAAGGCTCAGACATCTAAGGAGTTGTCATTTAAGAAAGGAGATACTGTCTACATCCTCAGG
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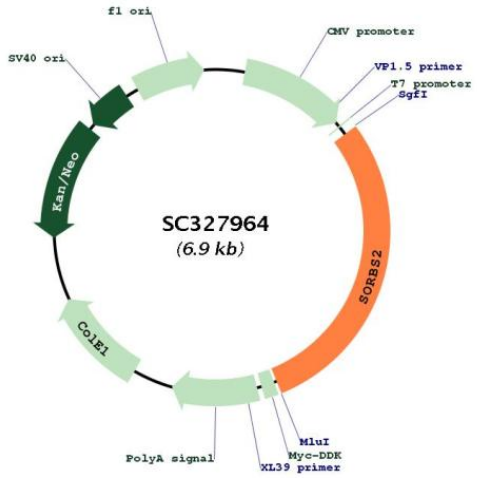
GGAGAAGCTATAGCCAAATACAACTTCAACGCAGACACAAATGTGGAGCTGTCACTGAGAAAGGGAGAT
AGAGTTATTCTTCTTAAAAGAGTTGATCAAAACTGGTATGAAGGTAAAATCCCAGGAACCAACAGACAA
GGCATCTTCCCTGTTTCCTATGTGGAGGTCGTCAAGAAGAACACAAAAGGTGCTGAGGACTACCCTGAC
CCTCCAATACCCCACAGCTATTCTAGTGATAGGATTCACAGCTTGAGCTCAAATAAGCCACAGCGTCCT
GTGTTTACTCATGAAAATATTCAAGGTGGGGGGGAACCGTTTCAGGCTCTGTATAACTATACTCCCAGG
AATGAAGATGAGCTGGAGCTCAGAGAAAGTGATGTCATTGATGTCATGGAAAAGTGTGATGACGGCTGG
TTTGTGGGGACCTCAAGAAGAACCAAATTCTTTGGTACTTTCCCCGGAAACTACGTCAAGAGGCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_003603
Insert Size:	2001 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:	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_003603.6
RefSeq Size:	4957 bp
RefSeq ORF:	2001 bp
Locus ID:	8470
UniProt ID:	O94875
Cytogenetics:	4q35.1

Domains:	SH3, Sorb
MW:	74.8 kDa
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.