

Product datasheet for **RC227301**

SORBS2 (NM_001145673) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | SORBS2 (NM_001145673) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | SORBS2 |
| Synonyms: | ARGBP2; PRO0618 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>RC227301 representing NM_001145673
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATTCCAATGAAGATTCGAGACAGACAATTGTATATTCTGAAGAATCTAACACAACCATGTCATATA
 CACAAAAATCACTAATCCACTACCAGCAGCTTCCAGCACGGATCCTGCACCATTGCTAACATCAACAC
 CCCAGTTCTACAAGAGGACTACAGGCAAGATTCTCAAACCTCGGAGGATTCTACCTTGAAACTAACCCAT
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 TCATGAAAAGTGTGATGACGGCTGTTTTGTGGGACCTCAAGAAGAACCAAATCTTTGGTACTTTCC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227301 representing NM_001145673
Red=Cloning site Green=Tags(s)

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MYSNEDSRQTIVYSEESNTTMSYTKITNPLPAASSTDPAPFANINTPVLQEDYRQDSQTRRISTLKLTH
NQDLGSSSPISTPQFSKVEVPSFLKRPRSLTPNPVPEHTASLSIQIAPLSGQDLESHKQLPELSPETA
KIPLQQRQKSAAAAASQSSDCRVSQITVNGNSGGAVSPMSYYQRPFSAYSLLPASLNSSIVMQHGTSL
DSTDTYPQHAQSLDGTSSSIPLYRSSEEEKRVTVIKAPHYPGIGPVDESGIPTAIRTTVDRPKDWYKTM
FKQIHMVHKPDDDDTMYNTPYTYNAGLYNPPYSAQSHPAAKTQTYRPLSKSHSDNSPNAFKDASSPVPPP
HVPPPVPPLRPRDRSSTEKHDWDPDRKVDTRKFRSEPRSI FEYEPGKSSILQHERPPPLPTTPTVPRE
PGRKPLSSRLGEVTGSPSPPPRSGAPTPSSRAPALSPTRPPKKPLDYVQDHSSGVFNEASLYQSSIDRS
LERPMSSASMASDFRKRKSEPAVGPPRGLGDQSASRTSPGRVDLPGSSTLTKSFTSSSPSSPRAKDR
ESPRYSSTLTDGRSAPRERRGTPEKEKLPKAVYDFKAQTSKELSFKKGDTVYILRKIDQNWYEGEHH
GRVGIFPISYVEKLTPEKAQPARPPPPAQPGEIGEAIAKYNFNADTNVELSLRKGDRVILLKRVDQNWY
EGKIPGTNRQGI FVPVSYVEVVKNTKGAEDYDPPPIPHSYSSDRIHSLSSNKPQRPVFTHENIQGGGEPF
QALYNYTPRNEDELELRESDVIDVMEKCDDGWFVGTSRRTKFFGTFFPGNYVKRL
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

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_001145673.2](#)

RefSeq ORF: 2475 bp

Locus ID: 8470

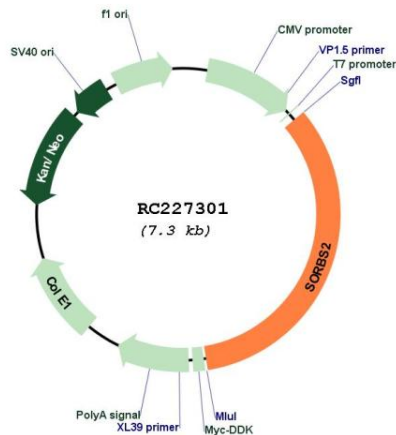
UniProt ID: [O94875](#)

Cytogenetics: 4q35.1

MW: 91.1 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]

Product images:



Circular map for RC227301