

Product datasheet for **RC239672**

SORBS1 (NM_001290298) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SORBS1 (NM_001290298) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SORBS1
Synonyms:	CAP; FLAF2; R85FL; SH3D5; SH3P12; SORB1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC239672 representing NM_001290298
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGTTCGAATGTGATGGTGGTTCCAAGCTGTGATGAATGGCTTGGCACCTGGCAGCAATGGGCAAG
ACAAAGCAACTGCCGACCCTTTACGCGCAGCTCTATTTCTGCTGTTAAAATCATTCTGTGAAGACAGT
GAAAAACGCCTCAGGCCTAGTTCTCCCTACAGACATGGATCCTACAAAAATCTGCACTGGGAAGGGAGCG
GTGACTCTCCGGGCTCGTCTTCTACAGGAAACCCCAAGCAGTAGCCCTGCGAGCCCTCAGGAAACCC
GGCAACACGAAAGCAAACCAGATGAGTGGAGGCTTTCTTCCAGTGTGATGCCAATGGAAATGCCAGCC
CTCTTCACTCGTCCAAGGGCTACAGAAGTGTGCATCCCAACCTTCTTCTGACAAGTCCCAGGATTCC
AGTCTCTACTAAATGAAGTTTCTTCTCCCTATTGGAAGTATTCCCAAGCCTTCCATCAGTTAGCA
AGCCTTACATCCGCTATCCCTCCACAACGATTGTCAATCTACTATTGTGCTCTTGAACACAATCGAGA
ACAGCAAAAACGACTCAGTAGCCTTTCAGATCCTGTCTCAGAAAGAAGAGTGGGAGAGCAGGACTCAGCA
CCAACCCAGGAAAAACCCACCTCACCTGGCAAGGCTATTGAAAAAGAGCAAAAGGATGACAGTAGGCGGG
TGGTGAAGAGCACTCAGGACTTAAGCGATGTTCCATGGATGAAGTGGGATCCCACTCCGGAACACTGA
GAGATCAAAAGACTGGTACAAGACTATGTTAAACAGATCCACAAACTGAACAGAGACACTCCTGAAGAA
AACCTTATTTCCCTACGTACAAATTCCTGAACCTTCTGAAATCCAGCAAACTCCGAAGAGGACAATC
CTTACACTCCCACCTACCAGTTTCTGCATCTACTCTAGTCTAAATCTGAAGATGATGATTGAGATCT
GTACTCTCCAGATACTCATTTTCTGAAGACACAAAATCTCCCTTTCTGTGCCTCGTCAAAAAGTGAG
ATGAGTACATTGATGGTGAGAAGGTAGTCAAGAGGTGGCCACACTACCCCTCCAGCCCGCTTCTCT
TGCAGAGCCCAAGAGCATTACGAATATCAGCCTGGCAAGTCTTCCGTTCTGACCAACGAAAAGATGAGT
CGGGATATAAGCCAGAAGAGATAGATTTAAAGAATGAACCTTGGTATAAATTCTTTTTCGGAATTGGAGT
TTGGGAAACCGAGCTCAGCCATCAGCCCTACTCCGAAATTTCTTTCAGAGACTCCTGGATATATATATTC
TTCCAACCTCCATGCAGTGAAGAGGGAATCAGACGGGGCTCCTGGGGATCTCACTAGCTTGGAGAATGAG
AGACAAATTTATAAAAGTGTCTTGAAGGTGGTGACATCCCTCTCAGGGCTGAGTGGGCTCAAGCGAC
CATCCAGCTCTGTTCCACTAAAGATTCAGAATCGCCAAGACATTTTATACCAGTGATTACTTGGAAATC
CACGGAAGAATTTATTGAAGACGTCATGATGATAAAGAGAACTTTTAGCGGACCAGAGACGACTTAAA
CGCGAGCAAGAAGAGGCTGATATTGCAGCTCGACGCCACACAGGGCTCATTCCGACGCACCATCAGTTTA
TCACTAATGAGCGCTTTGGGGACCTCCTCAATATAGACGATACTGCAAAAAGGAAATCTGGGTGAGAGAT
GAGACCTGCCAGAGCCAAATTTGACTTTAAAGCTCAGACACTAAAGGAGCTTCTCTGCAGAAGGGAGAT
ATTGTTTACATTTATAAGCAAAATGATCAGAAGCTGGTATGAAGGAGAACACCACGGCCGGGTGGGAATCT
TCCCACGCACCTACATCGAGCTTCTTCTCCTGCTGAGAAGGCACAGCCCAAAAAGTTGACACCAGTGCA
GGTTTTGGAAATATGGAGAAGCTATTGCTAAGTTTAACTTAAATGGTGATACACAAGTAGAAATGCCTTC
AGAAAGGTGAGAGGATCACACTGCTCCGGCAGGTAGATGAGAACTGGTACGAAGGGAGGATCCCGGGGA
CATCCCGACAAGGCATCTTCCCATCACCTACGTGGATGTGATCAAGCGACCACTGGTAAAAACCTCTCA
GGATTACATGGACCTGCCTTCTCTCTCCCAAGTCGCAGTGCCACTGCAAGCCACAGCAACCTCAA
GCCAGCAGCGAAGAGTCAACCCGACAGGAGTCAAACCTCACAAGATTTATTTAGCTATCAAGCATTAT
ATAGCTATATAACACAGAATGATGATGAGTTGGAAGTCCGCGATGGAGATATCGTTGATGTCATGGAAAA
ATGTGACGATGGATGGTTTGTGGTACTTCAAGAAGGACAAAGCAGTTTGGTACTTTTCCAGGCAACTAT
GTAACCTTTGTATCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239672 representing NM_001290298
Red=Cloning site Green=Tags(s)

MSSECDGGSKAVMNGLAPGSNGQDKATADPLRARSISAVKIIPVKTVKNASGLVLPDMDPTKICTGKGA
VTLRASSYRETPSSSPASPQETROHESKPDEWRLSSSADANGNAQPSSLAAGYRSVHPNLPSDKSODS
SPLLNEVSSSLIGTDSQAFPSVSKPSSAYPSTTI VNP TIVLLQHNREQQKRLSSLDPVSERRVGEQDSA
PTQEKPTSPGKAIEKRAKDDSRVVKSTQDLSDVSMDEVGIPLRNTERSKDWYKTMFKQIHKLNRDTPPEE
NPYFPTYKPELPEIQQTSEEDNPYPTYQFPASTPSPKSEDDSDLYSPRYSFSEDTKSPLSVPRKSE
MSYIDGKVVKRSATLPLPARSSSLKSSSERNDWEPDCKVDTRKYRAEPKSIYEQPGKSSVL TNEKMS
RDISPEEIDLKNEPWYKFFSELEFGKPSSAISPTPEISSETPGYIYSSNFHAVKRES DGAPGDLTSLENE
RQIYKSVLEGGDIPLQGLSGLKRPSSSASTKDESPRHFIPADYLESTEEFIRRRHDDKEKLLADQRRLK
REQEEADIAARRHTGVIPTHHQFITNERFGDLLNIDDTAKRKS GSEMRPARAKFDFKAQTLKELPLQKGD
IVYIYKQIDQNWYEGEHHGRVGI FPRTYIELLP AEAQPKKLPVQVLEYGEAIAKFNFGDTQVEMSF
RKGERITLLRQVDENWYEGRIPGTSRQGI FPIYVDVIKRPLVKNPVDYMDLPFSSSPRSATAS PQQPQ
AQQRRVTPDRSQTSDLF SYQALYSYIPQNDDELELRDGDIVD VMEKDDGWVGT SRRTKQFGTFPGNY
VKPLYL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

ACCN:	NM_001290298
ORF Size:	2538 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001290298.1 , NP_001277227.1
RefSeq Size:	5888 bp
RefSeq ORF:	2541 bp
Locus ID:	10580
UniProt ID:	Q9BX66
Cytogenetics:	10q24.1
Protein Families:	Druggable Genome
Protein Pathways:	Adherens junction, Insulin signaling pathway, PPAR signaling pathway
MW:	95.5 kDa
Gene Summary:	This gene encodes a CBL-associated protein which functions in the signaling and stimulation of insulin. Mutations in this gene may be associated with human disorders of insulin resistance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]