

## Product datasheet for RC213622

### SORBS1 (NM\_001034954) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SORBS1 (NM_001034954) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SORBS1
Synonyms:	CAP; FLAF2; R85FL; SH3D5; SH3P12; SORB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213622 representing NM_001034954 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTTCGAATGTGATGGTGGTTCCAAAGCTGTGATGAATGGCTTGGCACCTGGCAGCAATGGGCAAG  
ACAAAGCAACTGCCGACCCTTTACGCGCAGCTCTATTTCTGCTGTTAAAATCATTCTGTGAAGACAGT  
GAAAAACGCCCTCAGGCCTAGTTCTCCCTACAGACATGGATCTACAAAAATCTGCACTGGGAAGGGAGCG  
GTGACTCTCCGGCCTCGTCTTCTACAGGAAACCCCAAGCAGTAGCCCTGCGAGCCCTCAGGAAACCC  
GGCAACACGAAAGCAAACCAGGTCTGGAGCCAGAGCCTTCTTACAGATGAGTGGAGGCTTTCTCCAG  
TGCTGATGCCAATGGAATGCCAGCCCTTCTACTCGCTGCCAAGGGCTACAGAAGTGTGCATCCCAAC  
CTTCTCTGACAAGTCCAGGATGCCACTTCTCCAGTGCAGCCAGCCGGAGGTAATAGTTGTCCCTC  
TCTACCTGGTTAACTACTGACAGAGGGCAAGAAGGCACTGCCAGACCTCCAACACCTCTGGGGCTCTTGG  
CTGCGTCCCACAATCCCAGCGACTGCCTCTGCCGCTCACCTCTGACCTTCCCGACTCTAGATGATTTT  
ATTCCCCCTCATCTGCAGAGGTGGCCCCACCACAGCCAGCCAGCCGCGCCTCTGGCTCCTTTGCCCCCA  
TTAGCCAGACGCCACCATCCTTCTACCACCACCTCCGCTGGTCCCTCTGCCCGGAGGACCTCCGCGAG  
AGTCTCGGAGCCTGACCTCACGGGAGCTGTTTCGAGTACCGATTCCAGTCCCTCTACTAAATGAAGTTTCT  
TCTTCCCTTATTGGAAGTATTCCCAAGCCTTTCCATCAGTTAGCAAGCCTTCTATCCGCTATCCCTCCA  
CAACGATTGTCAATCCTACTATTGTCTTGGCAACACAATCGAGAACAGCAAAAACGACTCAGTAGCCT  
TTCAGATCCTGTCTCAGAAAGAAGAGTGGGAGAGCAGGACTCAGCACCAACCCAGAAAAACCCACCTCA  
CCTGGCAAGGCTATTGAAAAAGAGCAAAGGATGACAGTAGGCGGGTGGTGAAGAGCACTCAGGACTTAA  
GCGATGTTTCCATGGATGAAGTGGGCACTCCCACTCCGGAACACTGAGAGATCAAAAGACTGGTACAAGAC  
TATGTTTAAACAGATCCACAACTGAACAGAGACTCCTGAAGAAAACCTTATTTCCCTACGTACAAA  
TTCCCTGAACTTCTGAAATCCAGCAAACCTCCGAAGAGGACAATCCTTACTCCACCTACCAGTTTC  
CTGCATCTACTCCTAGTCTAAATCTGAAGATGATGATTCAGATCTGACTCTCCAGATACTCATTTTC  
TGAAGACAAAAATCTCCCTTTCTGTGCTCGCTCAAAAAGTGAAGATGAGCTACATTGATGGTGAAG



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GTAGTCAAGAGGTCGGCCACACTACCCCTCCCAGCCCGCTCTTCCTCACTGAAGTCAAGCTCAGAAAGAA  
ATGACTGGGAACCCCAAGATAAGAAAGTAGACACAAGAAAATATCGTGCAGAGCCCAAGAGCATTACGA  
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TGAGAGACAAATTTATAAAAGTGTCTTGAAGGTGGTGACATCCCTCTTCAGGGCTGAGTGGGCTCAAG  
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CTTCAGAAAGGGTGAGAGGATCACACTGCTCCGGCAGGTAGATGAGAAGTGGTACGAAGGGAGGATCCCG  
GGGACATCCCGACAAGGCATCTTCCCCATCACCTACGTGGATGTGATCAAGCGACCAGTGGTAAAAACC  
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CGGAAGAGAGTGGACAATATGAGAGGAAAGCAGAGAGGGGGCAGGCGAAAGAGGCCCTGGTGGACCCA  
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AGCATTATATAGCTATATACCACAGAATGATGATGAGTTGGAAGTCCCGGATGGAGATATCGTTGATGTC  
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GCAACTATGTA AACCTTTGTATCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC213622 representing NM\_001034954  
 Red=Cloning site Green=Tags(s)

MSSECDGGSKAVMNGLAPGSNGQDKATADPLRARSISAVKIIPVKTVKNASGLVLPDMDPTKICTGKGA  
 VTLRASSSYRETPSSSPASPQETRQHEKPLEPEPSSADEWRLSSSADANGNAQPSSLAAGYRSVHPN  
 LPSDKSQDATSSSAAQPEVIVVPLYL VNTDRGQEGTARPPPTLGPLGCVPTIPATASAASPLTFPTLDDF  
 IPPHLQRWPHHSQPARASGSFAPISQTPPSFSPPPPPLVPPAPEDLRRVSEPDLTGAVSSTDSSPLLNEVS  
 SSLIGTDSQAFFSVSKPSSAYPSTTI VNP TIVLLQHNREQQKRLSSLSDPVSERRVGEQDSAPTQEKPTS  
 PGKAIKRAKDDSRRVVKSTQDLSDVSMDEVGIPLRNTERSKDWYKTMFKQIHKLNDRDTPPENPYFPTYK  
 FPPELPEIQQTSEEDNPYTPTYQFPASTPSPKSEDDSDLYSPRYSFSEDTKSPLSVPRSKSEMSYIDGK  
 VVKRSATLPLPARSSSLKSSSERNDWEPDPKVDTRKYRAEPKSIYEYQPGKSSVL TNEKMSRDISPEEI  
 DLKNEPWYKFFSELEFGKPPPKIWDYTPGDCSILPREDRKTNLDKDLSLCQTELEADLEKMETLNKAPS  
 ANVPQSSAISPTPEISSETPGYIYSSNFHAVKRES DGAPGDLTSLENERQIYKSVLEGGDIPLQGLSGLK  
 RPSSSASTKDESPRHFIPADYLESTEEFIRRRHDDKEKLLADQRRKREQEEADIAARRHTGVIPTHHQ  
 FITNERFGDLLNIDDTAKRKS GSEMRPARAKFDK AQT LKELPLQKGDIVYIYKQIDQNWYEGEHHGRVG  
 IFPRTYIELLPPAEKAQPKKLT PVQVLEYGEAIAKFNFGDTQVEMFRKGERITLLRQVDENWYEGRIP  
 GTSRQGIFFITYVDVIKRP L VKNPVDYMDL P FSSSPRSATASPQFSSHKLITPAPSSLPHSRRALSPE  
 MHAVTSEWISLTVGVPGRRLAL TPPLPPLPEASINYNDHLALSPRASPSLSLPHLSWSDRPTPRSV  
 SPLALPSPHKTYSLAPTSQASLHMNGDGGVHTPSSGIHQDSFLQLPLGSSDSVISQLSDAFSSQSKRQPW  
 REESGQYERKAERGAGERGGPKISKKSCLKPSDVVRCLSTEQRLSDLNTPESRPGKPLGSAFPGSEA  
 EQTERHRGGEQAGRKAARRGGSQPPQAQRRVTPDRSQTSDLF SYQALYSYIPQNDDELELRDGDIVDV  
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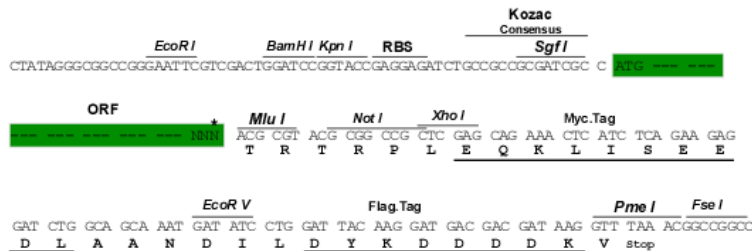
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



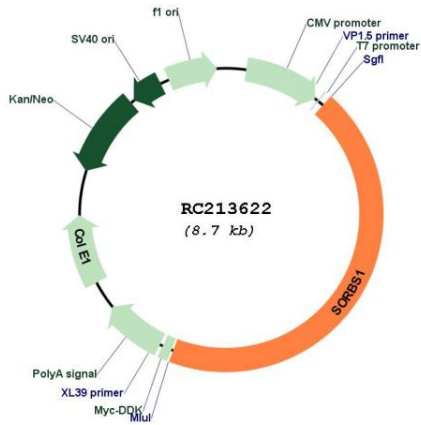
\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001034954

**ORF Size:** 3876 bp

<b>OTI Disclaimer:</b>	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001034954.1</a> , <a href="#">NP_001030126.1</a>
<b>RefSeq Size:</b>	7226 bp
<b>RefSeq ORF:</b>	3879 bp
<b>Locus ID:</b>	10580
<b>UniProt ID:</b>	<a href="#">Q9BX66</a>
<b>Cytogenetics:</b>	10q24.1
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Adherens junction, Insulin signaling pathway, PPAR signaling pathway
<b>MW:</b>	142.3 kDa
<b>Gene Summary:</b>	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]

Product images:



Circular map for RC213622