

Product datasheet for **RC224814**

SORBS1 (NM_001034957) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SORBS1 (NM_001034957) 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)



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ORF Nucleotide Sequence:

>RC224814 representing NM_001034957
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTTCGAATGTGATGGTGGTTCCAAAGCTGTGATGAATGGCTTGGCACCTGGCAGCAATGGGCAAG
 ACAAAGACATGGATCCTACAAAAATCTGCACTGGGAAGGAGCGGTGACTCTCCGGCCTCGTCTTCCTA
 CAGGGAAACCCCAAGCAGTAGCCCTGCGAGCCCTCAGGAAACCCGGCAACACGAAAGCAAACCAGATGAG
 TGGAGGCTTTCTCCAGTGTGATGCCAATGGAATGCCAGCCCTTTCACTCGCTGCCAAGGGCTACA
 GAAGTGTGCATCCCAACCTTCTCTGACAAGTCCAGGATTCCAGTCTCTACTAAATGAAGTTTCTTC
 TTCCCTTATTGGAAGTATTCCCAAGCCTTTCCATCAGTTAGCAAGCCTTCATCCGCCTATCCCTCCACA
 ACGATTGTCAATCCTACTATTGTGCTCTTGCAACACAATCGAGAACAGCAAAAACGACTCAGTAGCCTTT
 CAGATCCTGTCTCAGAAAGAAGAGTGGGAGAGCAGGACTCAGACCAACCCAGGAAAAACCCACCTCACC
 TGGCAAGGCTATTGAAAAAGAGCAAAGGATGACAGTAGCGGGTGGTGAAGAGCACTCAGGACTTAAGC
 GATGTTTTCCATGGATGAAGTGGGCATCCCACTCCGGAACACTGAGAGATCAAAAGACTGGTACAAGACTA
 TGTTTAAACAGATCCACAACCTGAACAGAGATGATGATTCAGATCTGTACTCTCCAGATACTCATTTC
 TGAAGACACAAAATCTCCCTTTCTGTGCCTCGCTCAAAAAGTGAGATGAGCTACATTGATGGTGAGAAG
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 ATGACTGGGAACCCCAAGATAAGAAAGTAGACACAAGAAAATATCGTGCAGAGCCCAAGAGCATTACGA
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 AGACATTTTATACCAGCTGATTACTTGGAAATCCACGGAAGAATTTATTGAAAGCCTCATGATGATAAAG
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 GATACTGCAAAAAGGAAATCTGGGTGAGAGATGAGACCTGCCAGAGCCAAATTTGACTTTAAAGCTCAGA
 CACTAAAGGAGCTTCTCTGCAGAAGGGAGATATTGTTTACATTTATAAGCAAATGATCAGAACTGGTA
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 TGAGAAGTGGTACGAAGGAGGATCCCGGGGACATCCCGACAAGGCATCTTCCCATCACCTACGTGGAT
 GTGATCAAGCGACCACTGGTAAAAACCTGTGGATTACATGGACCTGCCTTTCTCCTCCTCCCAAGTC
 GCAGTGCCACTGCAAGCCACAGCAACCTCAAGCCAGCAGCGAAGAGTCAACCCGACAGGAGTCAAAC
 CTCACAAGATTTATTTAGCTATCAAGCATTATATAGCTATATACCACAGAATGATGATGAGTTGAAACTC
 CGCGATGGAGATATCGTTGATGTCATGGAAAAATGTGACGATGGATGGTTTGTGGTACTTCAAGAAGGA
 CAAAGCAGTTTGGTACTTTTCCAGGCAACTATGTAACCTTTGTATCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224814 representing NM_001034957
 Red=Cloning site Green=Tags(s)

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MSSECDGGSKAVMNGLAPGSNGQDKMDPTKICTGKGAVTLRASSYRETPTSSSPASPQETRQHESKPDE
WRLSSSADANGNAQPSSLAAGYRSVHPNLPSDKSQDSSPLLNEVSSSLIGTDSQAFPSVKPSSAYPST
TI VNPTIVLLQHNREQQKRLSSLSDPVSERRVGEQDSAPTQEKPTSPGKAIEKRAKDDSRRVVKSTQDLS
DVSMDEVGIIPLRNTERSKDWYKTMFKQIHKLNRDDSDLYSPRYSFSEDTKSPLSVPRKSEMSYIDGK
VVKRSATLPLPARSSSLKSSSERNDWEPPDKKVDTRKYRAEPKSIYEYQPGKSSVLTNEKMSSAISPTPE
ISSETPGYIYSSNFHAVKRES DGAPGDLTSLENERQIYKSVLEGGDIPLQGLSGLKRPSSASTKDSERP
RHFIPADYLESTEEFIRRRHDDKEKLLADQRRKREQEEADIAARRHTGVIPTHHQFITNERFGDLLNID
DTAKRKS GSEMRPARAKFDKAQTLKELPLQKGDIVYIYKQIDQNWYEGEHHGRVGFIPRTYIELLPAAE
KAQPKKLTVPQVLEYGEIAKFNFGDTQVEMFRKGERITLLRQVDENWYEGRIPGTSRQGI FPITYVD
VIKRPLVKNPVDYMDLPFSSSPRSATAS PQPQAQRRVTPDRSQTSDLFSYQALYSYIPQNDDELEL
RDGDIVVMEKCDGWFVGT SRRTKQGF TFPGNVYKPLYL
  
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001034957

ORF Size: 2220 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:

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_001034957.1](#), [NP_001030129.1](#)

RefSeq Size: 5570 bp

RefSeq ORF: 2223 bp

Locus ID: 10580

UniProt ID: [Q9BX66](#)

Cytogenetics: 10q24.1

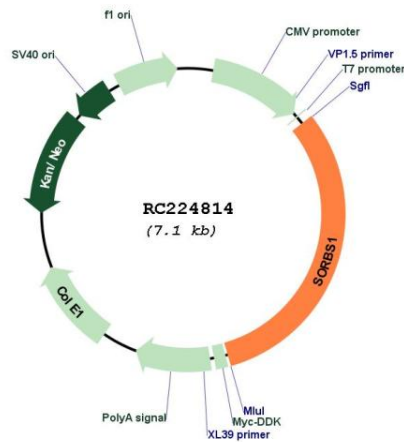
Protein Families: Druggable Genome

Protein Pathways: Adherens junction, Insulin signaling pathway, PPAR signaling pathway

MW: 82.9 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]

Product images:



Circular map for RC224814