

Product datasheet for RC239874

SORBS1 (NM_001290296) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SORBS1 (NM_001290296) 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
ORF Nucleotide Sequence: >RC239874 representing NM_001290296
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGATCGCC

ATGAGTTCGAATGTGATGGTGGTTCCAAAGCTGTGATGAATGGCTTGGCACCTGGCAGCAATGGGCAAG
 ACAAAGCAACTGCCGACCCTTACGCGCAGCTCTATTTCTGCTGTTAAAATCATTCTGTGAAGACAGT
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 GTGACTCTCCGGCCTCGTCTTCTACAGGAAACCCCAAGCAGTAGCCCTGCGAGCCCTCAGGAAACCC
 GGCAACACGAAAGCAAACCAGATGAGTGGAGGCTTTCTCCAGTCTGATGCCAATGGAATGCCAGCC
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 ACTTCTCCAGTGCAGCCAGCCGGAGGTAATAGTTGTCCTCTCTACCTGGTTAATACTGACAGAGGGC
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CCGTTCTGACCAACGAAAAGATGAGTCGGGATATAAGCCCAAGAGATAGATTTAAAGAATGAACCTTG
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 TA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAGGTTTAA

Protein Sequence:

>RC239874 representing NM_001290296
 Red=Cloning site Green=Tags(s)

MSSECDGSGKAVMNGLAPGSNGQDKATADPLRARSISAVKIIPVKTVKNASGLVLPDMDPTKICTGKGA
 VTLRASSYRETPSSSPASPQETRQHESKPDEWRLSSADANGNAQPSSLAAGYRSVHPNLP SDKS QDA
 TSSSAAQPEVIVVPLYL VNTDRGQEGTARPPPLGPLGCVPTIPATASAASPLTFPTLDDFIPPHLQRWP
 HHSQPARASGSFAPISQTPPSFSPPPPLVPPAPEDLRRVSEPDLTGAVSSTDSSPLLNEVSSSLIGTDSQ
 AFPSVSKPSSAYPSTTI VNP TIVLLQHNREQQKRLSSSDPVSERRVGEQDSAPTQEKTPSPGKAIEKRA
 KDDSRVVKSTQDLSDVSMDEVGIPLRNTERSKDWYKTMFKQIHKLN RDTPEENPYFPTYKFPPELPEIQQ
 TSEDDSDLYSPRYFS EDTKSPLSVPRKSEMSYIDGKVVKRSATLPLPARSSSLKSSSERNDWEPPD
 KKVDRKYRAEPKSIYEYQPGKSSVL TNEKMSRDISPEEIDLKNEPWYKFFSELEFGKPPPKKIWDYTPG
 DCSILPREDRKTNLDKDLSL CQTELEADLEKMETLNKAPSANVPQSSAISPTPEISSETPGYIYSSNFHA
 VKRES DGAPGDLTSL ENERQIYKSVLEGGDIPLQLSGLKRPSSASTK DSESPRHFIPADYLESTEEFI
 RRRHDDKEKLLADQRR LKREQEEADIAARRHTGVIPTHHQFITNERFGDLLNIDDTAKRKS GSEMRPARA
 KFDFKAQTLKELPLQKGDIVYIYKQIDQNWYEGEHHGRVGI FPRTYIELLP AEAQAQPKLTPVQVLEYG
 EAI AKFNFN GDTQVEMFRKGERITLLRQVDENWYEGRI PGTSRQGI FPI TYVDVIKRPLVKNPVDYMDL
 PFSSSPRSATAS PQPQAQRRVTPDRS QTSQDLFSYQALYSYIPQNDDELELRDGDIVDMEKCDG G
 FVGTSRRTKQFGTFPGNYVKPLYL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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:	<u>NM_001290296.1</u> , <u>NP_001277225.1</u>
RefSeq Size:	6362 bp
RefSeq ORF:	3015 bp
Locus ID:	10580
UniProt ID:	<u>Q9BX66</u>
Cytogenetics:	10q24.1
Protein Families:	Druggable Genome
Protein Pathways:	Adherens junction, Insulin signaling pathway, PPAR signaling pathway
MW:	112.2 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]