

Product datasheet for **RG224656**

SORBS1 (NM_006434) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SORBS1 (NM_006434) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SORBS1
Synonyms:	CAP; FLAF2; R85FL; SH3D5; SH3P12; SORB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG224656 representing NM_006434
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTTCGAATGTGATGGTGGTTCCAAGCTGTGATGAATGGCTTGGCACCTGGCAGCAATGGGCAAG
 ACAAAGACATGGATCCTACAAAAATCTGCACTGGGAAGGAGCGGTGACTCTCCGGCCTCGTCTTCTTA
 CAGGGAAACCCCAAGCAGTAGCCCTGCGAGCCCTCAGGAAACCCGGCAACACGAAAGCAAACCAGATGAG
 TGGAGGCTTTCTTCCAGTGTGATGCCAATGGAATGCCAGCCCTTTCACTCGCTGCCAAGGGCTACA
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 TTCCCTTATTGGAAGTATTCCAAGCCTTTCCATCAGTTAGCAAGCCTTCATCCGCCTATCCCTCCACA
 ACGATTGTCAATCCTACTATTGTGCTCTTGCAACACAATCGAGAACAGCAAAAACGACTCAGTAGCCTTT
 CAGATCCTGTCTCAGAAAGAAGAGTGGGAGAGCAGGACTCAGACCAACCCAGGAAAAACCCACCTCACC
 TGGCAAGGCTATTGAAAAAGAGCAAAGGATGACAGTAGCGGGTGGTGAAGAGCACTCAGGACTTAAGC
 GATGTTTTCCATGGATGAAGTGGGATCCCACTCCGGAACACTGAGAGATCAAAGACTGGTACAAGACTA
 TGTTTAAACAGATCCACAACCTGAACAGAGATGATGATTCAGATCTGTACTCTCCAGATACTCATTTC
 TGAAGACACAAAACTCCCTTTCTGTGCCTCGCTCAAAAAGTGAGATGAGCTACATTGATGGTGAAGAG
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 TGCAGGTTTTGGAATATGGAGAAGCTATTGCTAAGTTAACTTTAATGGTATACACAAGTAGAAATGTC
 CTTCAGAAAGGGTGAAGGATCACACTGCTCCGGCAGGTAGATGAGAAGTGGTACGAAGGGAGGATCCCG
 GGGACATCCCACAAGGCATCTTCCCATCACCTACGTGGATGTGATCAAGCGACCACTGGTAAAAACC
 CTGTGGATTACATGGACCTGCCTTTCTCCTCCTCCCAAGTCGCAGTGCCACTGCAAGCCCACAGCAACC
 TCAAGCCCAGCAGCAAGAGTCAACCCGACAGGAGTCAAACCTCACAAGATTTATTTAGCTATCAAGCA
 TTATATAGCTATATACCACAGAATGATGATGAGTTGGAAGTCCGCGATGGAGATATCGTTGATGTCATGG
 AAAAATGTGACGATGGATGGTTTGGTACTTCAAGAAGGACAAAGCAGTTTGGTACTTTTCCAGGCAA
 CTATGTAAACCTTTGTATCTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224656 representing NM_006434
Red=Cloning site Green=Tags(s)

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MSSECDGGSKAVMNGLAPGSNGQDKMDPTKICTGKGAVTLRASSYRETTPSSSPASPQETRQHESKPDE
WRLSSSADANGNAQPSSLAAGYRSVHPNLPSDKSQDSSPLLNEVSSSLIGTDSQAFPSVKPSSAYPST
TIVNPTIVLLQHNREQQKRLSSLSDPVSERRVGEQDSAPTQEKPTSPGKAIEKRAKDDSRRVKSTQDLS
DVSMDEVGIPLRNTERSKDWYKTMFKQIHKLNRDDSDLYSPRYSFSEDTKSPLSVPRKSEMSYIDGK
VVKRSATLPLPARSSSLKSSSERNDWEPPDKKVDTRKYRAEPKSIYEYQPGKSSVLTNEKMSSAISPTPE
ISSETPGYIYSSNFHAVKRES DGAPGDLTSLENERQIYKSVLEGGDIPLQGLSGLKRPSSSASTKDSSE
RHFIPADYLESTEEFIRRRHDDKEMRPARAKFDFAQTLKELPLQKGDIVYIYKQIDQNWYEGEHHGRVG
IFPRTYIELLPPAEKAQPKKLTVPQVLEYGEAIAKFNFGDTQVEMFRKGERITLLRQVDENWYEGRIP
GTSRQGIFFITYVDVIKRPVKNPVDMYDLPFSSSPRSATASPQQPQAQQRRVTPDRSQTSDLFYQA
LYSIPQNDLELDRGDIVDMEKDDGWVGT SRRTKQFGTFPGNYVKPLYL
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006434

ORF Size: 2052 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_006434.2](#), [NP_006425.2](#)

RefSeq Size: 5402 bp

RefSeq ORF: 2055 bp

Locus ID: 10580

UniProt ID: [Q9BX66](#)

Cytogenetics: 10q24.1

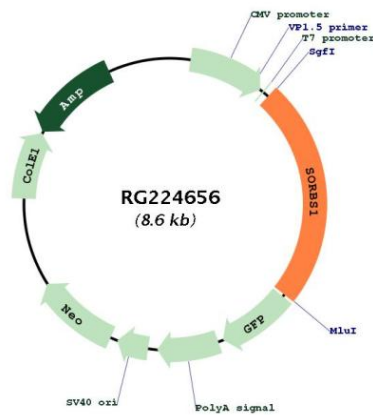
Domains: SH3, Sorb

Protein Families: Druggable Genome

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

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 RG224656