

Product datasheet for **RG213622**

SORBS1 (NM_001034954) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SORBS1 (NM_001034954) 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)
ORF Nucleotide Sequence: >RG213622 representing NM_001034954
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGAGTTCGAATGTGATGGTGGTTCCAAAGCTGTGATGAATGGCTTGGCACCTGGCAGCAATGGGCAAG
 ACAAAGCAACTGCCGACCCTTTACGCGCAGCTCTATTTCTGCTGTTAAAATCATTCTGTGAAGACAGT
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GTAGTCAAGAGGTCGGCCACACTACCCCTCCCAGCCCGCTCTTCCTCACTGAAGTCAAGCTCAGAAAAGAA
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GCAACTATGTA AACCTTTGTATCTA

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213622 representing NM_001034954
 Red=Cloning site Green=Tags(s)

MSSECDGGSKAVMNGLAPGSNGQDKATADPLRARSISAVKIIPVKTVKNASGLVLPDMDPTKICTGKGA
 VTLRASSSYRETPSSSPASPQETRQHEKPGLEPEPSSADEWRLSSADANGNAQPSSLAAGYRSVHPN
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 GTSRQGIPTIYVDVIKRPLVKNPVDYMDLFFSSSPRSATASPQFSSHKLITPAPSSLPHSRRALSPE
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 REESGQYERKAERGAGERGGPKISKKSCLKPSDVVRCLESTEQRSLDLNTPESRPGKPLGSAFPGSEA
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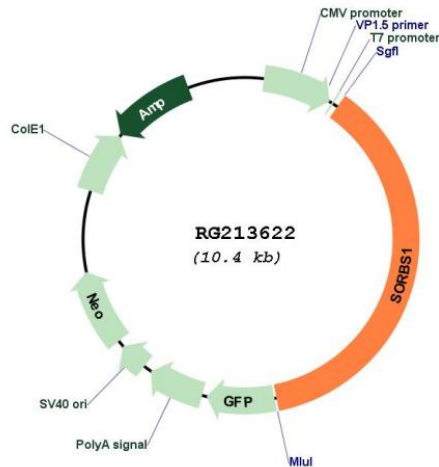
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001034954

ORF Size: 3876 bp

OTI Disclaimer: 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 custsupport@origene.com 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. [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_001034954.1](#), [NP_001030126.1](#)

RefSeq Size:	7226 bp
RefSeq ORF:	3879 bp
Locus ID:	10580
UniProt ID:	Q9BX66
Cytogenetics:	10q24.1
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]