

## Product datasheet for **MG222352**

### Sorbs1 (NM\_001034962) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sorbs1 (NM_001034962) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sorbs1
Synonyms:	2310065E01Rik; 9530001P15Rik; CAP; mKIAA1296; Sh3d5; SH3P12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG222352 representing NM\_001034962  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTTCGAATGTGATGTTGGAAGCTCTAAAGCTGTGGTGAATGGCTTGGCATCTGGCAACCATGGAC  
 CAGACAAAGCCGACCCCTTCCGTGCTCGCTCTATATCTGCTGTTAAAATAATTCCCGTGAAGACAGTGAA  
 AAGCCCTTCAGGCCTAGTACTCCCTCCAGACATGGACCCTACCAAAATCTGCACTGGGAAAAGGAACAGTG  
 ACTCTTCGGGCCTCGTCTTCTACAGGGGAACCCCAAGCAGCAGCCCTGTGAGCCCCAGGAATCTCCGA  
 AGCATGAAAGCAAGTCAGATGAATGAAACTTTCTTCCAGTGCAGATACCAATGGCAACGCCAGCCCTC  
 CCCACTTGCTGCCAAGGGCTATAGAAGTGTGCATCCACGCTTTCTGCTGACAAGCCCCAGGGCAGTCTCT  
 TACTAAACGAAGTTTCTTCTCCACATTGAAACCGATTCCAAGACTCCCTCCAACAAGCAGACCTT  
 CGTCTGCCTACCCCTCCACCACCATCGTCAACCCTACCATTGTGCTCCTGCAGCACAATCGAGAGCAGCA  
 AAAGCGACTCAGTAGTCTTTCAGATCCTGCCTCAGAGAGAAGAGCGGGTGAGCAGGACCCAGTACCAACC  
 CCAGCAGAACTCACTTCGCCCGGACGGCTTCTGAGAGAAGGGCAAAGGATGCTAGCAGACGGGTGGTGA  
 GGAGCACACAGGACCTGAGCGATGTGTCTACAGATGAAGTGGGCATCCCACTCCGGAATACCGAGCGATC  
 GAAAGACTGGTACAAAATATGTTTAAACAGATCCACAAACTGAACAGAGATGATGATTCTGATGTCCAT  
 TCCCTCGATATTCCTTCTGACGACACAAAGTCTCCCTTTCTGTGCCTCGCTCAAAAAGTGAGATGA  
 ACTACATCGAAGGGGAGAAAAGTGGTTAAGAGGTCCGCCACACTCCCGCTCCCAGCCCGCTCCTCCTCACT  
 CAAGTCCAGCCCGGAAAGAAACGACTGGGAGCCCCAGATAAGAAAGTGGATACGAGAAAATACCGAGCA  
 GAGCCCAAAAGCATTACGAATATCAGCCGGGCAAGTCTCGTCTGACCAATGAGAAGATGAGCTCAG  
 CAGTCAGCCGACTCCAGACATTACGTACAGACCTCCTGGATATATCTATTCTTCCAACCTCCATGCAGT  
 GAAGAGAGAATCGGACGGGACCCCGGGGTCTCGCTAGCTTGGAGAATGAGAGGCAGATCTATAAGAGT  
 GTCTTGAAGGTGGCGACATCCCTCTTACAGGGCTCAGTGGGCTCAAGCGACCTTCCAGCTCAGTTCCA  
 CTAAGATTGAGAGTCACCAAGACATTTTATACCAGCTGATTACTTGGAGTCCACAGAAGAAATTTATTCG  
 GAGACGGCAGATGATAAAGAGATGAGACCTGCTCGAGCCAAATTTGACTTTAAAGCCCAGACCCTGAAG  
 GAGCTGCCTCTGCAGAAGGGAGACGTTGTTTACATCTACAGACAGATTGACCAGAAGTGGTATGAAGGTG  
 AACACCATGGCCGGTGGGAATCTTCCACGCACCTATATCGAGCTTCTCCTCCAGCTGAGAAGGCTCA  
 GCCCAGAAAGTTGGCACCCGTACAAGTTTGGAAATATGGAGAAGCCATTGCGAAGTTTAACTTTAATGGA  
 GATACACAAGTAGAAATGTCTTCCGAAAGGGGAGAGGATCACGCTGCTCCGACAGGTGGATGAGAAGT  
 GGTACGAAGGGAGGATTCTGGGACATCTCGCCAAAGCATTTTCCCTATACCTATGTAGATGTGCTTAA  
 GAGGCCATTGGTGAACCCCTGTGGATTACATCGACCTGCCTTATTCTTCTTCCCAAGTCGCAGTGCC  
 ACTGTGAGCCACAGCAACCTCAAGCCAGCAGCGAAGAGTCACCCAGACAGGAGTCAGCCCTCACTGG  
 ATTTGTGTAGCTACCAAGCGTTATATAGTTATGTGCCACAGAACGATGATGAGTTGGAATCCGAGATGG  
 AGATATTGTTGATGTCATGGAAAAATGTGACGATGGATGGTTTGGTGGCACTTCGAGAAGGACGAGGCAG  
 TTTGGTACTTTTCCAGGCAACTATGTAACCTTTATATCTA

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >MG222352 representing NM\_001034962  
 Red=Cloning site Green=Tags(s)

```

MSSECDVGSSKAVVNGLASGNHGPKADPFRARSISAVKIIPVKTVKSPSGLVLPDMDPTKICTGKGTV
TLRASSSYRGTPSSSPVSPQESPKHESKSDEWKLSSSADTNGNAQPSPLAAKGYRSVHPSLSADKPQGSP
LLNEVSSSHIETDSQDFPPTSRPSSAYPSTTIVNPTIVLLQHNREQQKRLSSLSDPASERRAGEQDPVPT
PAELTSPGRASERRAKDASRRVVRSTQDLSDVSTDEVGIPLRNTERSKDWYKTMFKQIHKLNRRDDSDVH
SPRYSFSDDTKSPLSVPRSKSEMNIEGEKVVKRSATLPLPARSSSLKSSPERNDWEPPDKKVDTRKYRA
EPKSIYEQPGKSSVLNEKMSSAVSPTDITSEPPGIYSSNFHAVKRESGDTGPGGLASLENERQIYKS
VLEGGDIPLQGLSGLKRPSSASTKDESPRHFIPADYLESTEEFIRRRHDDKEMRPARAKFDFKAQTLK
ELPLQKGDVVYIYRQIDQNWYEGEHHRVGI FPRTYIELLPPAEKAQPRKLAPVQVLEYGEAIAKFNFG
DTQVEMFRKGERITLLRQVDENWYEGRIPGTSRQGI FPTYVDVLRPLVKTPVDYIDL PYSSPSRSA
TVSPQQPQAQQRRVTPDRSQPSLDLCSYQALYSYVPQNDDELELRDGDIVDMEKDDGWFVGTSRRTRQ
FGTFPGNYVKPLYL
  
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001034962

**ORF Size:** 2142 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\\_001034962.1](#), [NP\\_001030134.1](#)

**RefSeq Size:** 5282 bp

**RefSeq ORF:** 2145 bp

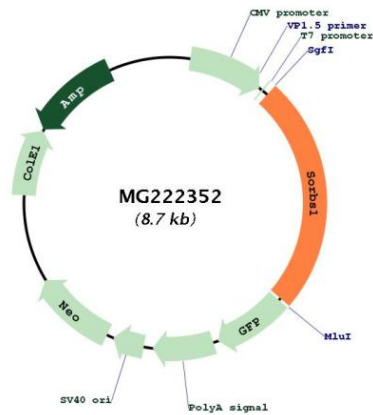
**Locus ID:** 20411

**UniProt ID:** [Q62417](#)

**Cytogenetics:** 19 34.25 cM

**Gene Summary:** Plays a role in tyrosine phosphorylation of CBL by linking CBL to the insulin receptor. Required for insulin-stimulated glucose transport. Involved in formation of actin stress fibers and focal adhesions.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG222352