

Product datasheet for **MG222282**

Sorbs1 (NM_001034963) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sorbs1 (NM_001034963) 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)



[View online »](#)

ORF Nucleotide Sequence:

>MG222282 representing NM_001034963
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTTCGAATGTGATGTTGGAAGCTCTAAAGCTGTGGTGAATGGCTTGGCATCTGGCAACCATGGAC
 CAGACAAAGACATGGACCTACCAAATCTGCACTGGGAAAGGAACAGTACTCTTCGGGCTCGTCTTC
 CTACAGGGGAACCCCAAGCAGCAGCCCTGTGAGCCCCAGGAATCTCGAAGCATGAAAGCAAGTCAGAT
 GAATGGAACTTTCTTCCAGTGCAGATACCAATGGCAACGCCAGCCCTCCCACTTGTCTGCCAAGGGCT
 ATAGAAGTGTGCATCCCAGCCTTCTGTGACAAGCCCCAGGCAGTCTTTACTAAACGAAGTTTCTTC
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 TGCTAGCAGACGGGTGGTGGAGACACACAGGACCTGAGCGATGTGTCTACAGATGAAGTGGGCATCCCA
 CTCCGGAATACCGAGCGATCGAAAGACTGGTACAAAATATGTTTAAACAGATCCACAACTGAACAGAG
 ATGATGATTCTGATGTCCATTCCCTCGATATTCTTCTCTGACGACACAAGTCTCCCTTTCTGTGCC
 TCGCTCAAAAAGTGAAGTGAACATCGAAGGGGAGAAAGTGGTTAAGAGGTCCGCCACACTCCCGCTC
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 CGAGCTTCTTCTCCAGCTGAGAAGGCTCAGCCAGAAAGTTGGCACCCGTACAAGTTTGGAAATGGA
 GAAGCCATTGCGAAGTTTAACTTAAATGGAGATACACAAGTAGAAATGTCTTTCGAAAGGGGGAGAGGA
 TCACGCTGCTCCGACAGGTGGATGAGAAGTGGTACGAAGGGAGGATTCTGGGACATCTCGCAAGGCAT
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 CCTTATTCTTCTTCCCAAGTCGCAAGTCCACTGTGAGCCACAGCAACCTCAAGCCAGCAGCGAAGAG
 TCACCCAGACAGGAGTCAAGCCCTCACTGGATTGTGTAGCTACCAAGCGTTATATAGTTATGTGCCACA
 GAACGATGATGAGTTGAACTCCGAGATGGAGATATTGTTGATGTCATGGAAAAATGTGACGATGGATGG
 TTTGTTGGCACTTCGAGAAGGACGAGGCAGTTTGGTACTTTTCCAGGCAACTATGTAACCTTTATATC
 TA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG222282 representing NM_001034963
 Red=Cloning site Green=Tags(s)

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MSSECDVGSSKAVVNLASGNHGPDKMDPTKICTGKGTVTLRASSSYRGTTPSSSPVSPQESPKHESKSD
EWKLSSSADTNGNAQPSPLAAKGYRSVHPSL SADKPQGSPLLNEVSSSHIETDSQDFPPTS RPSSAYPST
TIVNPTIVLLQHNRPASERRAGEQDPVPTPAELTSPGRASERRAKDASRRVVRSTQDLSDVSTDEVGIP
LRNTERS KDWYKTMFKQIHKLNRDDSDVHSPRYSFSDDTKSPLSVPRSKSEMNYIEGEKVVKRSATLPL
PARSSSLKSSPERNDWEPPDKKVDTRKYRAEPKSIYEYQPGKSSVLTNEKMSRDISPEEIDLKNEPWYKF
FSELEFGRPPPKIWDYTPGDCSILPREDRKSSAVSPTPDITSEPPGYIYSSNFHAVKRES DGTGGGLAS
LENERQIYKSVLEGGDIPLQGLSGLKRPSSASTK DSESPRHFIPADYLESTEEF IRRRHDDKEMRPARA
KFDFKAQTLKELPLQKGDVVYIYRQIDQNWYEGEHHGRVGI FPRTYIELLPPAEKAQPRKLAPVQVLEYG
EAIAKFNFGDTQVEMSF RKGERITLLRQVDENWYEGRIPGTSRQGI FPIYVDVLRKPLVKTPVDYIDL
PYSSSPRSATVSPQQPQAQRRVTPDRSQPSLDLCSYQALYSYVPQNDDELELRGDIVDVMKCDG DW
FVGTSRRTRQFGTFPGNYVKPLYL
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001034963

ORF Size: 2172 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_001034963.1](#), [NP_001030135.1](#)

RefSeq Size: 5312 bp

RefSeq ORF: 2175 bp

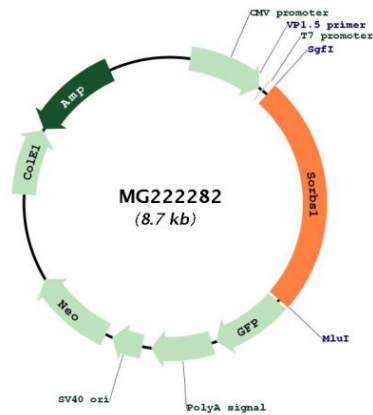
Locus ID: 20411

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 MG222282