OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR222282

Sorbs1 (NM_001034963) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sorbs1 (NM_001034963) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sorbs1
Synonyms:	2310065E01Rik; 9530001P15Rik; CAP; mKIAA1296; Sh3d5; SH3P12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR222282 representing NM_001034963
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTTCTGAATGTGATGTTGGAAGCTCTAAAGCTGTGGTGAATGGCTTGGCATCTGGCAACCATGGAC
CAGACAAAGACATGGACCCTACCAAAATCTGCACTGGGAAAGGAACAGTGACTCTTCGGGCCTCGTCTTC
CTACAGGGGAACCCCAAGCAGCAGCCCTGTGAGCCCCCAGGAATCTCCGAAGCATGAAAGCAAGTCAGAT
GAATGGAAACTTTCTTCCAGTGCAGATACCAATGGCAACGCCCAGCCCTCCCCACTTGCTGCCAAGGGCT
ATAGAAGTGTGCATCCCAGCCTTTCTGCTGACAAGCCCCAGGGCAGTCCTTTACTAAACGAAGTTTCTTC
TTCCCACATTGAAACCGATTCCCAAGACTTCCCTCCAACAAGCAGACCTTCGTCTGCCTACCCCTCCACC
ACCATCGTCAACCCTACCATTGTGCTCCTGCAGCACAATCGAGATCCTGCCTCAGAGAGAAGAGCGGGTG
AGCAGGACCCAGTACCAACCCCAGCAGAACTCACTTCGCCCGGCAGGGCTTCTGAGAGAAGGGCAAAGGA
TGCTAGCAGACGGGTGGTGAGGAGCACACAGGACCTGAGCGATGTGTCTACAGATGAAGTGGGCATCCCA
CTCCGGAATACCGAGCGATCGAAAGACTGGTACAAAACTATGTTTAAACAGATCCACAAACTGAACAGAG
ATGATGATTCTGATGTCCATTCCCCTCGATATTCCTTCTCTGACGACACAAAGTCTCCCCTTTCTGTGCC
TCGCTCAAAAAGTGAGATGAACTACATCGAAGGGGAGAAAGTGGTTAAGAGGTCCGCCACACTCCCGCTC
CCAGCCCGCTCCTCCTCACTCAAGTCCAGCCCGGAAAGAAACGACTGGGAGCCCCCAGATAAGAAAGTGG
ATACGAGAAAATACCGAGCAGAGCCCAAAAGCATTTACGAATATCAGCCGGGCAAGTCTTCGGTCCTGAC
CAATGAGAAGATGAGTCGGGATATAAGCCCAGAAGAGATAGATTTAAAGAATGAACCTTGGTATAAATTC
TTTTCGGAATTGGAGTTTGGGAGACCGCCTCCCAAAAAGATATGGGACTATACTCCTGGAGACTGCTCTA
TCCTTCCTAGAGAGGATAGAAAGAGCTCAGCAGTCAGCCCGACTCCAGACATTACGTCAGAGCCTCCTGG
ATATATCTATTCTTCCAACTTCCATGCAGTGAAGAGAGAATCGGACGGGACCCCCGGGGGTCTCGCTAGC
TTGGAGAATGAGAGGCAGATCTATAAGAGTGTCTTGGAAGGTGGCGACATCCCTCTTCAGGGCCTCAGTG
GGCTCAAGCGACCTTCCAGCTCAGCTTCCACTAAAGATTCAGAGTCACCAAGACATTTTATACCAGCTGA
TTACTTGGAGTCCACAGAAGAATTTATTCGGAGACGGCACGATGATAAAGAGATGAGACCTGCTCGAGCC
AAATTTGACTTTAAAGCCCAGACCCTGAAGGAGCTGCCTCTGCAGAAGGGAGACGTTGTTTACATCTACA
GACAGATTGACCAGAACTGGTATGAAGGTGAACACCATGGCCGGGTGGGAATCTTCCCACGCACCTATAT
CGAGCTTCTTCCTCCAGCTGAGAAGGCTCAGCCCAGAAAGTTGGCACCCGTACAAGTTTTGGAATATGGA
GAAGCCATTGCGAAGTTTAACTTTAATGGAGATACACAAGTAGAAATGTCTTTCCGAAAGGGGGAGAGGA
TCACGCTGCTCCGACAGGTGGATGAGAACTGGTACGAAGGGAGGATTCCTGGGACATCTCGCCAAGGCAT
TTTCCCTATCACCTATGTAGATGTGCTTAAGAGGCCATTGGTGAAAACCCCTGTGGATTACATCGACCTG
CCTTATTCTTCTTCCCCAAGTCGCAGTGCCACTGTGAGCCCACAGCAACCTCAAGCCCAGCAGCGAAGAG
TCACCCCAGACAGGAGTCAGCCCTCACTGGATTTGTGTAGCTACCAAGCGTTATATAGTTATGTGCCACA
GAACGATGATGAGTTGGAACTCCGAGATGGAGATATTGTTGATGTCATGGAAAAATGTGACGATGGATGG
TTTGTTGGCACTTCGAGAAGGACGAGGCAGTTTGGTACTTTTCCAGGCAACTATGTAAAACCTTTATATC
TA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

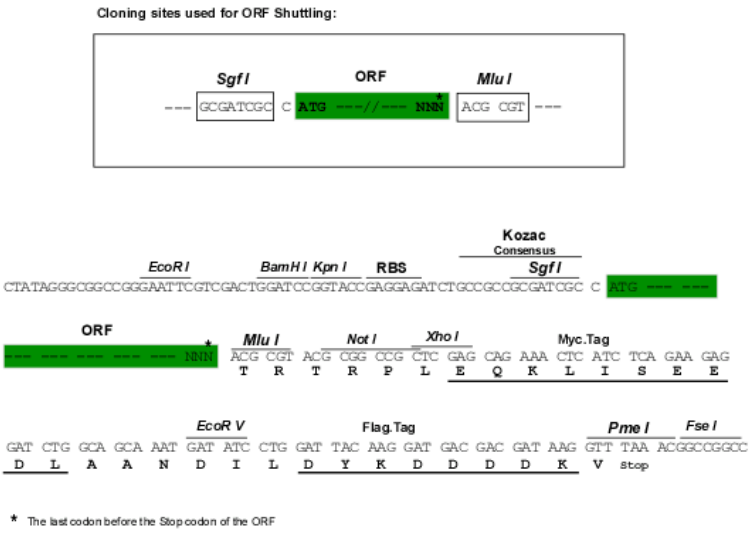
>MR222282 representing NM_001034963
Red=Cloning site Green=Tags(s)

MSSECDVGSSKAVVNGLASGNHGPDKDMDPTKICTGKGTVTLRASSSYRGTPSSSPVSPQESPKHESKSD
EWKLSSSADTNGNAQPSPLAAKGYRSVHPSLSADKPQGSPLLNEVSSSHIETDSQDFPPTSRPSSAYPST
TIVNPTIVLLQHNRDPASERRAGEQDPVPTPAELTSPGRASERRAKDASRRVVRSTQDLSDVSTDEVGIP
LRNTERSKDWYKTMFKQIHKLNRDDDSDVHSPRYSFSDDTKSPLSVPRSKSEMNYIEGEKVVKRSATLPL
PARSSSLKSSPERNDWEPPDKKVDTRKYRAEPKSIYEYQPGKSSVLTNEKMSRDISPEEIDLKNEPWYKF
FSELEFGRPPPKKIWDYTPGDCSILPREDRKSSAVSPTPDITSEPPGYIYSSNFHAVKRESDGTPGGLAS
LENERQIYKSVLEGGDIPLQGLSGLKRPSSSASTKDSESPRHFIPADYLESTEEFIRRRHDDKEMRPARA
KFDFKAQTLKELPLQKGDVVYIYRQIDQNWYEGEHHGRVGIFPRTYIELLPPAEKAQPRKLAPVQVLEYG
EAIAKFNFNGDTQVEMSFRKGERITLLRQVDENWYEGRIPGTSRQGIFPITYVDVLKRPLVKTPVDYIDL
PYSSSPSRSATVSPQQPQAQQRRVTPDRSQPSLDLCSYQALYSYVPQNDDELELRDGDIVDVMEKCDDGW
FVGTSRRTRQFGTFPGNYVKPLYL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001034963

ORF Size: 2172 bp

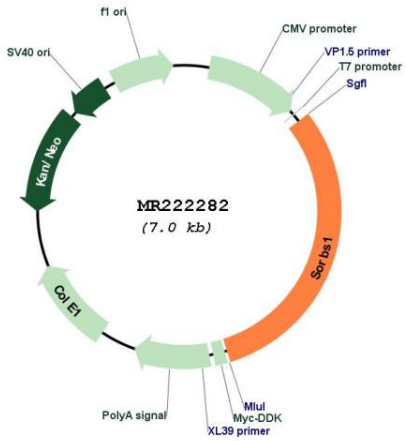
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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
MW:	81.7 kDa
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 MR222282