

Product datasheet for **MR222352**

Sorbs1 (NM_001034962) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sorbs1 (NM_001034962) 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)



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ORF Nucleotide
Sequence:

>MR222352 representing NM_001034962
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGTTCGAATGTGATGTTGGAAGCTCTAAAGCTGTGGTGAATGGCTTGGCATCTGGCAACCATGGAC
CAGACAAAGCCGACCCCTTCCGTGCTCGCTCTATATCTGCTGTTAAAATAATTCCCGTGAAGACAGTGAA
AAGCCCTTCAGGCCTAGTACTCCCTCCAGACATGGACCCTACAAAAATCTGCACTGGGAAAAGGAACAGTG
ACTCTTCGGGCCTCGTCTTCTACAGGGGAACCCCAAGCAGCAGCCCTGTGAGCCCCAGGAATCTCCGA
AGCATGAAAGCAAGTCAGATGAATGAAACTTTCTTCCAGTGCAGATACCAATGGCAACGCCAGCCCTC
CCCCTTGTCTGCCAAGGGCTATAGAAGTGTGCATCCACGCTTTCTGCTGACAAGCCCCAGGGCAGTCTCT
TACTAAACGAAGTTTCTTCTCCACATTGAAACCGATTCCAAGACTCCCTCCAACAAGCAGACCTT
CGTCTGCCTACCCCTCCACCACCATCGTCAACCCTACCATTGTGCTCCTGCAGCACAATCGAGAGCAGCA
AAAGCGACTCAGTAGTCTTTCAGATCCTGCCTCAGAGAGAAGAGCGGGTGAGCAGGACCCAGTACCAACC
CCAGCAGAACTCACTTCGCCCGGACGGCTTCTGAGAGAAGGGCAAAGGATGCTAGCAGACGGGTGGTGA
GGAGCACACAGGACCTGAGCGATGTGTCTACAGATGAAGTGGGCATCCCCTCCGGAATACCGAGCGATC
GAAAGACTGGTACAAAATATGTTTAAACAGATCCACAACTGAACAGAGATGATGATTCTGATGTCCAT
TCCCCTCGATATTCCTTCTGACGACACAAAGTCTCCCCTTCTGTGCCTCGCTCAAAAAGTGAGATGA
ACTACATCGAAGGGGAGAAAAGTGGTTAAGAGGTCCGCCACACTCCCGCTCCCAGCCCGCTCCTCCTCACT
CAAGTCCAGCCCGGAAAGAAACGACTGGGAGCCCCAGATAAGAAAGTGGATACGAGAAAATACCGAGCA
GAGCCCAAAAGCATTACGAATATCAGCCGGGCAAGTCTTCGGTCTGACCAATGAGAAGATGAGCTCAG
CAGTCAGCCCGACTCCAGACATTACGTACAGCCCTCCTGGATATATCTATTCTTCCAACCTCCATGCAGT
GAAGAGAGAATCGGACGGGACCCCGGGGTCTCGCTAGCTTGGAGAATGAGAGGCAGATCTATAAGAGT
GTCTTGAAGGTGGCGACATCCCTCTTACGGCCCTCAGTGGGCTCAAGCGACCTTCCAGCTCAGTTCCA
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GAGACGGCAGCATGATAAAGAGATGAGACCTGCTCGAGCCAAATTTGACTTTAAAGCCCAGACCCTGAAG
GAGCTGCCTCTGCAGAAGGGAGACGTTGTTTACATCTACAGACAGATTGACCAGAACTGGTATGAAGGTG
AACACCATGGCCGGTGGGAATCTTCCACGCACCTATATCGAGCTTCTCCTCCAGCTGAGAAGGCTCA
GCCAGAAAAGTTGGCACCCGTACAAGTTTGGAAATATGGAGAAGCCATTGCGAAGTTTAACTTTAATGGA
GATACACAAGTAGAAATGTCTTCCGAAAGGGGAGAGGATCACGCTGCTCCGACAGGTGGATGAGAAT
GGTACGAAGGGAGGATTCTGGGACATCTCGCCAAGGCATTTTCCCTATCACCTATGTAGATGTGCTTAA
GAGGCCATTGGTAAAACCCCTGTGGATTACATCGACCTGCCTTATTCTTCTTCCCAAGTCGCAGTGCC
ACTGTGAGCCACAGCAACCTCAAGCCCAGCAGCGAAGAGTCACCCCAGACAGGAGTCAGCCCTCACTGG
ATTTGTGTAGCTACCAAGCGTTATATAGTTATGTGCCACAGAACGATGATGAGTTGGAATCCGAGATGG
AGATATTGTTGATGTGATGGAAAAATGTGACGATGGATGGTTTGGTGGCACTTCGAGAAGGACGAGGCAG
TTTGGTACTTTTCCAGGCAACTATGTA AACCTTTATATCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222352 representing NM_001034962
 Red=Cloning site Green=Tags(s)

MSSECDVGSSKAVVNGLASGNHGPKADPFRARSISAVKIIPVKTVKSPSGLVLPDMDPTKICTGKGTV
 TLRASSYRGTPTSSSPVSPQESPKHESKSDWKLSSTADTNGNAQPSPLAAKGYRSVHPSLSADKPQGGP
 LLNEVSSSHIETDSQDFPPTSRPSSAYPSTTIVNPTIVLLQHNREQQKRLSSLSDPASERRAGEQDPVPT
 PAELTSPGRASERRAKDASRRVVRSTQDLSDVSTDEVGIPLRNTERSKDWYKTMFKQIHKLNRRDDSDVH
 SPRYSFSDDTKSPLSVPRSKSEMNYYIEGKVVKRSATLPLPARSSSLKSSPERNDWEPPDKKVDTRKYRA
 EPKSIYEQPGKSSVLTNEKMSSAVSPTPDITSEPPGIYSSNFHAVKRESGDTGPGGLASLENERQIYKS
 VLEGGDIPLQGLSGLKRPSSASTKDESPRHFIPADYLESTEEFIRRRHDDKEMRPARAKFDFKAQTLK
 ELPLQKGDVVYIYRQIDQNWYEGEHHRVGI FPRTYIELLPAAEKAQPRKLAPVQVLEYGEAIAKFNFG
 DTQVEMFRKGERITLLRQVDENWYEGRIPGTSRQGI FPIYVDVLRPLVKTPVDYIDL PYSSSPSRSA
 TVSPQQPQAQQRRVTPDRSQPSLDLCSYQALYSYVPQNDDELELRDGDIVDMEKDDGWFVGTSRRTRQ
 FGTFFPGNYVKPLYL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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

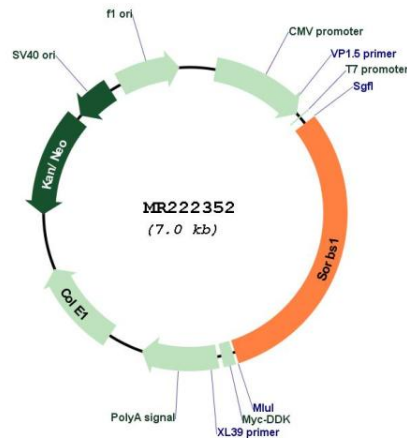
UniProt ID: [Q62417](#)

Cytogenetics: 19 34.25 cM

MW: 80 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 MR222352