

Product datasheet for **MG222691**

Sorbs1 (NM_001034964) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sorbs1 (NM_001034964) 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:

>MG222691 representing NM_001034964
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTTCGAATGTGATGTTGGAAGCTCTAAAGCTGTGGTGAATGGCTTGGCATCTGGCAACCATGGAC
 CAGACAAAGACATGGACCTACCAAATCTGCACTGGGAAAGGAACAGTACTCTTCGGGCTCGTCTTC
 CTACAGGGGAACCCCAAGCAGCAGCCCTGTGAGCCCCAGGAATCTCCGAAGCATGAAAGCAAGTCAGAT
 GAATGGAACTTTCTTCCAGTGCAGATACCAATGGCAACGCCAGCCCTCCCACTTGTGCCAAGGGCT
 ATAGAAGTGTGCATCCCAGCCTTTCTGCTGACAAGCCCCAGGCAGTCTTTACTAAACGAAGTTTCTTC
 TTCCACATTGAAACCGATTCCAAGACTTCCCTCCAACAAGCAGACCTTCGTCGCTACCCCTCCACC
 ACCATCGTCAACCCTACCATTGTGCTCCTGCAGCACAATCGAGAGCAGAAAAGCGACTCAGTAGTCTTT
 CAGATCCTGCCTCAGAGAGAAGAGCGGGTGAGCAGGACCCAGTACCAACCCAGCAGAACTCACTTCGCC
 CGGCAGGGCTTCTGAGAGAAGGGCAAAGGATGCTAGCAGACGGGTGGTGAGGAGCACACAGGACCTGAGC
 GATGTGTCTACAGATGAAGTGGGATCCCACTCCGGAATACCGAGCGATCGAAAGACTGGTACAAAATA
 TGTTTAAACAGATCCACAACTGAACAGAGATGATGATTCTGATGTCCATTTCCCTCGATATTCCTTCTC
 TGACGACACAAAGTCTCCCTTTCTGTGCTCGCTCAAAAAGTGAGATGAACTACATCGAAGGGGAGAAA
 GTGGTTAAGAGGTCCGCCACTCCCGCTCCAGCCCGCTCCTCCTCACTCAAGTCCAGCCCGGAAAGAA
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 ATATCAGCCGGCAAGTCTCGTCTGACCAATGAGAAGATGAGCTCAGCAGTCAAGCCGACTCCAGAC
 ATTACGTCAGAGCCTCCTGGATATATCTATTCTTCCAATTCCATGCAGTGAAGAGAGAATCGGACGGGA
 CCCCCGGGGTCTCGCTAGCTTGGAGAATGAGAGGCAGATCTATAAGAGTGTCTTGGAAAGTGGCGACAT
 CCCTCTTCAAGGGCTCAGTGGGCTCAAGCGACCTTCCAGCTCAGCTTCCACTAAAGATTCAGAGTACCA
 AGACATTTTATACCAGCTGATTACTTGGAGTCCACAGAAGAATTTATTCGAGACGGCACGATGATAAAG
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 GATACGGCCAAAAGGAAATCTGGGTTAGAGATGAGACCTGCTCGAGCCAAATTTGACTTTAAAGCCAGA
 CCCTGAAGGAGTGCCTCTGCAGAAGGGAGACGTTGTTTACATCTACAGACAGATTGACCAGAAGTGGTA
 TGAAGGTGAACACCATGGCCGGGTGGGAATCTTCCACGCACCTATATCGAGCTTCTTCTCCAGCTGAG
 AAGGCTCAGCCAGAAAGTTGGCACCCGTACAAGTTTTGGAATATGGAGAAGCCATTGCGAAGTTTAACT
 TTAATGGAGATACACAAGTAGAAATGTCTTCCGAAAGGGGGAGAGGATCACGCTGCTCCGACAGGTGGA
 TGAGAAGTGGTACGAAGGGAGGATTCTGGGACATCTCGCAAGGCATTTTCCCTATCACCTATGTAGAT
 GTGCTTAAAGAGGCCATTGGTGAACCCCTGTGGATTACATCGACCTGCCTTATTCTTCTCCCAAGTC
 GCAGTGCCACTGTGAGCCACAGCAACCTCAAGCCAGCAGCGAAGAGTCAACCCAGACAGGAGTCAGCC
 CTCACTGGATTTGTAGCTACCAAGCGTTATATAGTTATGTGCCACAGAACGATGATGAGTTGGAACCTC
 CGAGATGGAGATATTGTTGATGTCATGGAAAAATGTGACGATGGATGGTTTGTGGCACTTCGAGAAGGA
 CGAGGCAGTTTGGTACTTTTCCAGGCAACTATGTAAAACCTTTATATCTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG222691 representing NM_001034964
 Red=Cloning site Green=Tags(s)

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MSSECDVGSSKAVVNLASGNHGPKDMDPTKICTGKGTVTLRASSSYRGTTPSSSPVSPQESPKHESKSD
EWKLSSSADTNGNAQPSPLAAKGYRSVHPSLADKPKQGSPLLNEVSSSHIETDSQDFPPTSRRPSSAYPST
TI VNP TIVLLQHNREQQKRLSSLSDPASERRAGEQDPVPTPAELTSPGRASERRAKDASRRVVRSTQDLS
DVSTDEVG IPLRNTERSKD WYKTMFKQIHKLNRRDDSDVHSPRYSFSDDTKSPLSVPRSKSEMNYIEGK
VVKRSATLPLPARSSSLKSSPERNDWEPDPKVDTRKYRAEPKSIYEYQPGKSSVLTNEKMSSAVSPTPD
ITSEPPGYIYSSNFHAVKRES DGTGGLASLENERQIYKSVLEGGDIPLQGLSGLKRPSSASTKDS E SP
RHFIPADYLESTEEFIRRRHDDKEKLLADQRRKREQEEADIAARRHTGVIPTHHQFITNERFGDLLNID
DTAKRKS GLEMRPARAKFDKAQTLKELPLQKGDVVYIYRQIDQNWYEGEHHGRVGFIPRTYIELLPAAE
KAQPRK LAPVQVLEYGEAI AKFNFGDTQVEMFRKGERITLLRQVDENWYEGRIPGTSRQGI FPIYVD
VLKRPLVKTPVDYIDL PYSSPSRSATVSPQQQAQRRVTPDRSQPSLDLCSYQALYSYV PQNDDELEL
RDGDIVVMEKCDDGWFVGT SRTRQFGTFPGNYVKPLYL
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001034964

ORF Size: 2220 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_001034964.1](#), [NP_001030136.1](#)

RefSeq Size: 5275 bp

RefSeq ORF: 2223 bp

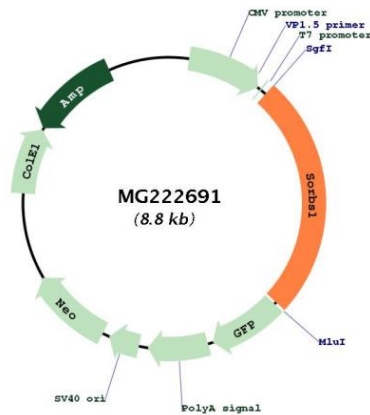
Locus ID: 20411

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 MG222691