

Product datasheet for **MR210091**

Sorbs1 (BC012703) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sorbs1 (BC012703) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sorbs1
Synonyms:	CAP, SH3P12, 9530001P15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR210091 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTTCGAATGTGATGTTGGAAGCTCTAAAGCTGTGGTGAATGGCTTGGCATCTGGCAACCATGGAC
CAGACAAAGACATGGACCTACCAAATCTGCACTGGGAAAGGAACAGTACTCTTCGGGCTCGTCTTC
CTACAGGGGAACCCCAAGCAGCAGCCCTGTGAGCCCCAGGAATCTCCGAAGCATGAAAGCAAGTCAGAT
GAATGGAACTTTCTTCCAGTGCAGATACCAATGGCAACGCCAGCCCTCCCACTTGTGCAAGGGCT
ATAGAAGTGTGCATCCCAGCCTTTCTGCTGACAAGCCCCAGGGTCCACCTCCTCCAGCTCAGCCCCGTC
TGAGGGCAGTCTTTACTAAACGAAGTTTCTTCTCCACATTGAAACCGATTCCCAAGACTTCCCTCCA
ACAAGCAGACCTTCGTCTGCCTACCCCTCCACCACCATCGTCAACCCTACCATTGTCTCTGCAGCACA
ATCGAGAGCAGCAAAAGCGACTCAGTAGCTTTTCAGATCTGCCTCAGAGAGAAGAGCGGGTGGAGCAGGA
CCCAGTACCAACCCAGCAGAATCACTTCGCCCGGCAGGGCTTCTGAGAGAAGGGCAAAGGATGCTAGC
AGACGGGTGGTGAAGGAGCGCACAGGACCTGAGCGATGTGTCTACAGATGAAGTGGGCATCCCACTCCGGA
ATACCGAGCGATCGAAAGACTGGTACAAAATATGTTTAAACAGATCCACAACTGAACAGAGATGATGA
TTCTGATGTCCATTTCCCTCGATACTCCTTCTCTGATGACACAAAGTCTCCCTTTCTGTGCCTCGCTCA
AAAAGTGAGATGAACTACATCGAAGGGGAGAAAGTGGTTAAGAGGTCCGCCACACTCCCCCTCCAGCCC
GCTCTTCTCACTCAAGTCCAGCCCGGAAAGAAACGACTGGGAGCCCCTAGATAAGAAAGTGATACGAG
AAAATACCGAGCAGAGCCAAAAGCATTACGAATATCAGCCGGGCAAGTCTTCGGTCTGACCAATGAG
AAGTAGCTCAGCAGTCAAGGAGAAATCGGACGGGACCCCGGGGTCTCGTAGCTTGAGAAATGAGAGGCA
ACTTCCATGCAGTGAAGAGAGAATCGGACGGGACCCCGGGGTCTCGTAGCTTGAGAAATGAGAGGCA
GATCTATAAGAGTGTCTTGAAGGTGGCGACATCCCTCTTCAGGGCCTCAGTGGGCTCAAGCGACCTTCC
AGCTCAGCTTCCACTAAAGATTCAGAGTACCAAGACATTTTATACCAGCTGATTACTTGGAGTCCACAG
AAGAATTTATTCGGAGACGGCACGATGATAAAGAGATGAGACCTGCTCGAGCCAAATTTGACTTTAAAGC
CCAGACCCTGAAGGAGCTGCCTCTGCAGAAGGGAGACGTTGTTTACATCTACAGACAGATTGACCAGAAC
TGGTATGAAGGTGAACACCATGGCCGGTGGGAATCTTCCACGCACCTATATCGAGCTTCTTCTCCAG
CTGAGAAGGCTCAGCCCAGAAAGTTGGCACCCGTACAAGTTTGGAAATATGGAGAAGCCATTGCAAAGTT
TAACTTTAATGGAGATACACAAGTAGAAATGTCTTTCGAAAGGGGGAGAGGATCAGCTGCTCCGACAG
GTGGATGAGAAGTGGTATGAAGGGAGGATTCCTGGGACATCTCGCCAAGGCATTTCCCTATCACCTATG
TAGATGTGCTTAAGAGGCCATTGGTGAACCCCTGTGGATTACATCGACCTGCCTATTCTTCTCCCC
AAGTCGCAGTGCCACTGTGAGCCACAGCAACCTCAAGCCAGCAGCGAAGAGTCAACCCAGACAGGAGT
CAGCCCTCACTGGATTTGTGTAGCTACCAAGCGTTATATAGTTATGTGCCACAGAACGATGATGAGTTGG
AACTCCGAGATGGAGATATTGTTGATGTCATGGAAAAATGTGACGATGGATGGTTTGTGGCACTTCGAG
AAGGACGAGGCAGTTTGGTACTTTTCCAGGCAACTATGTAACCTTTATATCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210091 protein sequence
Red=Cloning site Green=Tags(s)

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MSSECDVGSSKAVVNGLASGNHGPKDMDPTKICTGKGTVTLRASSSYRGTPSSSPVSPQESPKHESKSD
EWKLSSSADTNGNAQPSPLAAKGYRSVHPSLSADKPQGATSSSSAPSEGSPLLNEVSSSHIETDSQDFPP
TSRPSSAYPSTTIVNPTIVLLQHNREQQKRLSSLSDPASERRAGEQDPVPTPAELTSPGRASERRAKDAS
RRVVRSAQDLSDVSTDEVGIPLRNTERSKDWYKTMFKQIHKLNRDDSDVHSPRYSFSDDTKSPLSVPRS
KSEMNYIEGEKVVKRSATLPLPARSSSLKSSPERNDWEPLDKKVDTRKYRAEPKSIYEYQPGKSSVLTNE
KMSSAVSPTPDITSEPPGYIYSSNFHAVKRES DGTGGLASLENERQIYKSVLEGGDIPLQGLSGLKRPS
SSASTKDES PRHFIPADYLESTEEFIRRRHDDKEMRPARAKFDKAQTLKELPLQKGDVVYIYRQIDQN
WYEGEHHGRVGI FPRTYIELPPAEKAQPRKLAPVQVLEYGEAIAKFNFGDTQVEMFRKGERITLLRQ
VDENWYEGRIPGTSRQGI FPIYVDVLRPLVKTPVDYIDL PYSSSPRSATVSPQPQAQRRVTPDRS
QPSLDLCSYQALYSYVPQNDELELRDGDIVDMKCCDDGWFVGT SRRTQFGTFPGNYVKPLYL
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC012703

ORF Size: 2085 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: [BC012703](#), [AAH12703](#)

RefSeq Size: 2597 bp

RefSeq ORF: 2087 bp

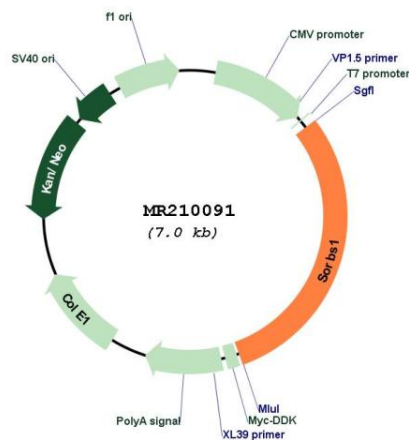
Locus ID: 20411

Cytogenetics: 19 34.25 cM

MW: 77.3 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 MR210091