

## Product datasheet for RR209160

### Sorbs2 (NM\_053770) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sorbs2 (NM_053770) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sorbs2
Synonyms:	Argbp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209160 representing NM_053770 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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Protein Sequence: >RR209160 representing NM\_053770  
 Red=Cloning site Green=Tags(s)

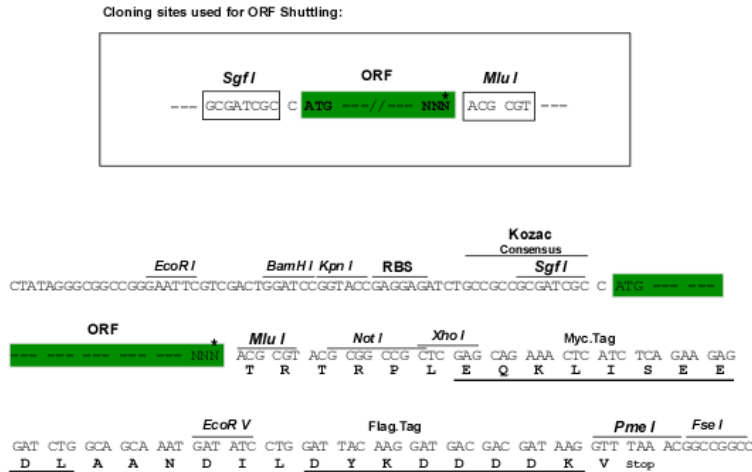
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 VDTSSYHAQDYGSVLSLQDHESPRSYSTLTDLGRSVSRERRGTPEKEVKLPAKAVYDFKAQTSKELSF  
 KKGDTVYILRKIDQNWYEGEHHGRVGIFFISYVEKLTPEKAQPARPPPVQGEIGEAIAKYNFNADTN  
 VELSLRKGDRILLKRVDQNWYEGKIPGTNRQGI F P V S Y E V V K R N T K G S E D Y P D P P L P H S Y S S D R I Y S L  
 SSNKPQRPVFSHENIQGGGEPFQALYNYTPRNEDELELRESVDVDMEKCDGWFVGTSRRTKFFGTFPG  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

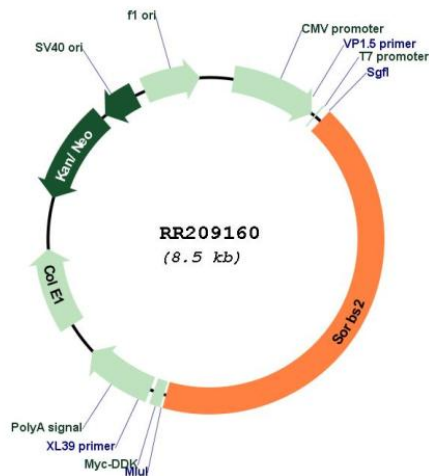
SgfI-MluI

Cloning Scheme:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_053770

ORF Size: 3588 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\\_053770.1](#), [NP\\_446222.1](#)

RefSeq Size: 6331 bp

RefSeq ORF: 3591 bp

Locus ID: 114901

UniProt ID: [O35413](#)

Cytogenetics: 16q11

**MW:** 134.1 kDa

**Gene Summary:** binds the synapse-associated protein 90/postsynaptic density-95-associated protein (SAPAP); may play a role in intracellular signaling [RGD, Feb 2006]