

Product datasheet for **MG216354**

Sorbs2 (NM_172752) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sorbs2 (NM_172752) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sorbs2
Synonyms:	2010203O03Rik; 9430041O17Rik; A530071H08; Argbp2; mKIAA0777; nArgBP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216354 representing NM_172752 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATACAGATAGCGGTGGGTGTGCTCGCAAACGTGCCCCATGTCTGTACGTTAACATCTGTGAAGA
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GCCAGTCCCTGGATGGACCATGGGAAGTCCATCCCGCTCTATAGATCCTCCGAGGAAGAGAAGAGGG
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CCAGACCCTAAAACCAAGTCAGAGAGTATGGGTTCTCTGTTATGTGAAGAAGACTCCAAAGAGAGCTGCC
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GGAAAAGTGTGACGACGGATGGTTGTGGGAAGTCAAGAAGAACCAAAATCTTTGGTACTTTCCCGGA
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ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216354 representing NM_172752
 Red=Cloning site Green=Tags(s)

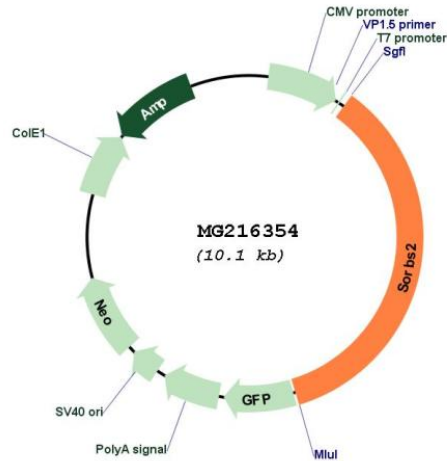
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 VDTTSNYHAQDYGSALSLQDHESPRSYSTL TDLGRSASRERRGTPEKEVKLPAKAVYDFKAQTSKELSF
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 VELSLRKGDRIIILLKRVDQNWYEGKIPGTNRQGI F P V S Y V E V V K R N A K G A E D Y P D P P L P H S Y S S D R I Y T L
 SSNKQRPFGSHENIQGGGEPFQAL YNYTPRNEDELELRESDVVDVMEKCDGDFVGT SRRTKFFGTFPG
 NYVKRL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_172752

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_172752.4](#), [NP_766340.4](#)

RefSeq Size: 6259 bp

RefSeq ORF: 3591 bp

Locus ID: 234214

Cytogenetics: 8 B1.1

Gene Summary:

Adapter protein that plays a role in the assembling of signaling complexes, being a link between ABL kinases and actin cytoskeleton. Can form complex with ABL1 and CBL, thus promoting ubiquitination and degradation of ABL1 (By similarity). May play a role in the regulation of pancreatic cell adhesion, possibly by acting on WASF1 phosphorylation, enhancing phosphorylation by ABL1, as well as dephosphorylation by PTPN12 (By similarity). [UniProtKB/Swiss-Prot Function]