

## Product datasheet for MC224139

### Sorbs2 (NM\_172752) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sorbs2 (NM_172752) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sorbs2
Synonyms:	2010203O03Rik; 9430041O17Rik; A530071H08; Argbp2; mKIAA0777; nArgBP2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224139 representing NM_172752 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAATACAGATAGCGGTGGGTGTGCTCGCAAACGTGCCCCATGTCTGTTACGTTAACATCTGTGAAGA  
GAGTTCAAAGTTCTCAAACCTATTGGCTGCAGGGCGTGAGTCTCAGTCTCCAGATTCAGCTTGGAGATC  
TTACAATGATCGGAATCCAGAGACTGAACGGAGATGCCACATATTCCTCTCTTGCAGCAAAGGTTTT  
AGAAGCGTTCGGCCAAACCTGCAAGACAAAAGATCACCGACCCAGAGCCAGATCACTATCAATGGCAACT  
CTGGTGGCGCCGTGAGTCCAGTGAGTTACTATCAGAGGCCATTCTCCCCTTCTGCATACTCCCTCCCAGC  
CTCGCTGAACTCCAGCATTATCATGCAGCACGGCAGGTCTCTTGATTCTGCAGAGACATATTCAGCAT  
GCCAGTCCCTGGATGGCACCATGGGAAGCTCCATCCCCTCTATAGATCCTCCGAGGAAGAGAAGAGGG  
TCACGGTCATCAAAGCCCCGATTACCCAGGGATCGGCCCTGTGGATGAGTCTGGAATCCCACAGCCAT  
TAGGACGACTGTCGACAGGCCAAAGGACTGGTACAAGACAATGTTCAAGCAAATCCACATGGTACACAAG  
CCGGATGAGGACACAGACATGTATAACTCCTTACACATACAACGCAGGTCTGTACAACCGCCCTACA  
GTGCTCAGTCCCACCCGGCTGCGAAGACTCAGACCTACAGACCTTTTCGAAAAGCCACTCAGACAATGG  
CACCGATGCGTTTAAGGAGGTGCCCTCCCAGTGCCTCCCCACACGTCCACCACGACCAAGAGATCAG  
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CAAGGAGTATTTTTGAATATGAGCCTGGGAAGTCGTCATTCTGCAGCACGAAAGACCCGCTCCTCATCTA  
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CGGAGGAAGAGCGAACCTGCAGTGGGCCACTCCGGGGCTTGGGGGATCAGAGTTCAAGCAGGACCAGCC  
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AGAGACCGTTTCCCCCAAATCAAATCACGTAGCTGCGATGATCTCCTGAATGACGACTCGCAGCAGCTTC  
CCAGACCCATAAACCAAGTCAGAGAGTATGGGTTCTCTGTTATGTGAAGAAGACTCCAAAGAGAGCTGCC



CCATGACATGGGCGTCCCCCTACATCCAGGAAGTGTGCGGGAACAGCAGATCTAGGCTCAAACACAGGTC  
 AGCCCAT AATGCCCCAGGCTTCCTCAAAATGTACAAGAAAATGCATCGCATCAACCCGAAGGACTTGATG  
 AATT CAGAGGTCATTTGCTCGGTGAAATCCAGGATCCTGCAGTACGAGAAGGAGCAACAGCACAGGGGGC  
 TGCTGCACGGATGGAGCCAGTCTCCACCGAGGAGGTGCCAGGGACGTGGTGCCCACTCGCATTTCGGA  
 ATTTGAAAAGCTGATTCAGAAGTCGAAGTCTATGCCCAATCTAGGAGATGAAATGTTATCTCCTATAACC  
 CTAGAACCCCCACAAAATGGTTTGTGTCCCAAGAGGCGATTTTCTATCGAGTCTCTGCTGGAGGAAGAAA  
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 GGTCAACGACGACGAGCAACCTAGAACACACATGGAGTTTTCCGACAGTGACCAAGATGGGGTTGTGCC  
 GACCACAGCGACTACGTTACGTCGAAGGGTCGTCTTTTGTAGTGAAAAGTGACTTTGACCACTTTTCAT  
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 GTGGACACAACCAGCAACTACCACGCACAGGACTATGGGAGTGCCTGAGCCTCCAAGATCACGAGTCCC  
 CTAGAAGTTACTCATCTACTCTGACTGACTTGGGCAGAAGTGCATCACGGGAACGAAGGGGAACTCCAGA  
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 AAGAAAGGAGACTGTCTACATCTCAGGAAAATGACCAAACTGGTATGAGGGGAACACCACGGCA  
 GAGTGGGCATTTTCCCAATCTCATACGTAGAGAAAATAACACCCCGGAAAAAGCGAGCCCGCAAGACC  
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 GTAAAATCCCAGGAACCAACAGACAAGGCATCTTCCCGTGTCTATGTGAGGTTGTCAAGAGGAACGC  
 AAAAGGTGCTGAGGACTACCCAGACCCTCTCTGCCCCACAGCTACTCCAGTGACAGAATTTACACCCTA  
 AGCTCCAATAAGCCACAGCGTCTGGGTTCTCTCATGAAAACATCAAGGTGGGGGAGAACCCTTCAGG  
 CTCTGTAACTATACTCCTAGGAACGAAGATGAGCTGGAACCTCAGAGAAAAGTATGTCGTTGATGCAT  
 GGAAAAGTGTGACGACGGATGGTTTGTGGGAACCTCAAGAAGAACCAAAATCTTTGGTACTTTCCCGGA  
 AACTATGTCAAAGGCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_172752
- Insert Size:** 3591 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:** 6040 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]

Transcript Variant: This variant (2) lacks an in-frame exon in the central coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.

Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.