

Product datasheet for **MG222349**

Sorbs1 (NM_178362) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sorbs1 (NM_178362) 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:

>MG222349 representing NM_178362
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTTCGAATGTGATGTTGGAAGCTCTAAAGCTGTGGTGAATGGCTTGGCATCTGGCAACCATGGAC
 CAGACAAAGACATGGACCTACCAAATCTGCACTGGGAAAGGAACAGTACTCTCGGGCCTCGTCTTC
 CTACAGGGGAACCCCAAGCAGCAGCCCTGTGAGCCCCAGGAATCTCCGAAGCATGAAAGCAAGTCAGAT
 GAATGGAACTTTCTTCCAGTGCAGATACCAATGGCAACGCCAGCCCTCCCACTTGTGCAAGGGCT
 ATAGAAGTGTGCATCCCAGCCTTCTGTGACAAGCCCCAGGGTCCACCTCCTCCAGCTCAGCCCCGTC
 TGAGGTAATAGTTGTTCTCTACCTGGTTAATACTGACAGAGGGCAAGGGCAAGAAGGCACTGCCAGA
 ACTCCAGCATCTCTGGGGCCACTTGGCTGCGTCCACACTGTCCCGGCGACCACCCTGCTGCCTCACCTC
 TGACCTTCCCGACTCGATGATTTTATCCCCCTCACCTGCAGAGGGCGCCACCACAGCCAGCCAGC
 CAGTGCTTGTGGCTCCCTCTCCCTGCTAGCCAGACGTACCACCCTCACCACCCTCCGCTGGTCCCT
 CCCGTCGAGGACCTCCACAGAGGCCTGGAGCCTGACCTCCCGGAGCTGTCTCAAGTACCGGAGCTC
 CTTTACTAAACGAAGTTTCTTCTCCACATTGAAACCGATTCCCAAGACTTCCCTCCAACAAGCAGACC
 TTCGTCTGCCTACCCCTCCACCACCATCGTCAACCCTACCATTGTGCTCCTGCAGACAATCGAGAGCAG
 CAAAAGCGACTCAGTAGTCTTTCAGATCCTGCCTCAGAGAGAAGAGCGGGTGAGCAGGACCCAGTACCA
 CCCCAGCAGAACTCACTTCGCCCCGAGGGCTTCTGAGAGAAGGGCAAAGGATGCTAGCAGACGGGTGGT
 GAGGAGCACACAGGACCTGAGCGATGTGTCTACAGATGAAGTGGGCATCCCACTCCGGAATACCGAGCGA
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 CACTCCTACCTACCAGTTTCTGATCTACGCCTAGTCCCTAAGTCAGAAGATGATGATTCTGATGCCAT
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 ACTACATCGAAGGGGAGAAAAGTGGTTAAGAGGTCCGCCACACTCCCGCTCCAGCCCGCTCCTCCTCACT
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 AAGACTAATCTAGAGAAAGATCTCAGCTTCTGCCAAGCAGAGTTAGAGGCAGATTTAGAGAAAGTGGAGA
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 AGAGCCTCCTGGATATATCTATTCTTCCAACTCCATGCAGTGAAGAGAGAATCGGACGGGACCCCGGG
 GGTCTCGTAGCTTGGAGAATGAGAGGCAGATCTATAAGAGTGTCTTGAAGGTGGCGACATCCCTCTTC
 AGGGCCTCAGTGGGCTCAAGCGACCTTCCAGCTCAGCTTCCACTAAAGATTCAGAGTCACCAAGACATTT
 TATACCAGCTGATTACTTGGAGTCCACAGAAGAATTTATTCGGAGACGGCACGATGATAAAGAGATGAGA
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 AGGGGGAGAGGATCACGCTGCTCCGACAGGTGGATGAGAAGTGGTACGAAGGGAGGATTCTGGGACATC
 TCGCAAGGCATTTTCCCTATCACCTATGTAGATGTGCTTAAGAGGCCATTGGTGAACCCCTGTGGAT
 TACATCGACCTGCCTTATTCTTCTTCCCAAGTCGAGTCCCACTGTGAGCCACAGCAACCTCAAGCCC
 AGCAGCGAAGAGTCACCCAGACAGGAGTCAAGCCCTCACTGGATTTGTGTAGCTACCAAGCGTTATATAG
 TTATGTGCCACAGAACGATGATGAGTTGGAAGTCCGAGATGGAGATATTGTTGATGTCATGGAAAAATGT
 GACGATGGATGGTTTGTGGCACTTCGAGAAGGACGAGGCAGTTTGGTACTTTTCCAGGCAACTATGTAA
 AACCTTTATATCTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG222349 representing NM_178362
 Red=Cloning site Green=Tags(s)

MSSECDVGSSKAVVNGLASGNHGPKDMDPTKICTGKGTVTLRASSYRGTTPSSSPVSPQESPKHESKSD
 EWKLSSSADTNGNAQPSPLAAKGYRSVHPSLSADKPQGATSSSSAPSEVIVVPLYL VNTDRGQGQEGTAR
 TPASLGPLGCVHTVPATTPAASPLTFPTLDDFI PPHLQRRPHHSQPASACGSLSPASQTSPPSPPPPLVP
 PVPEDLHRGLEPDLPGAVSSTGSPLLNEVSSSHIETDSQDFPPTS SRPSSAYPSTTIVNPTIVLLQHNREQ
 QKRLSSLSDPASERRAGEQDPVPTPAELTSPGRASERRAKDASRRVVRSTQDLSDVSTDEVGIPLRNTER
 SKDWYKTMFKQIHKLNRDTP EENPYFPTYKPELPEILQNSEEDSSYTPTYQFPASTPSKSEDDSDVH
 SPRYSFSDDTKSPLSVPRSKSEMNIEIEGKVVKRSATLPLPARSSSLKSSPERNDWEPPDKKVDTRKYRA
 EPKSIYEYQPGKSSVL TNEKMSRDISPEEIDLKNEPWYKFFSELEFGRPPP KKIWDYTPGDCSILPREDR
 KTNLEKDL SFCQAELEADLEKVE TVNKSPSANS PQSSAVSPTPDITSEPPGYIYSSNFHAVKRES DGTGPG
 GLASLENERQIYKSVLEGGDIPLQGLSGLKRPSSASTK DSESPRHFIPADYLESTEEFIRRRHDDKEMR
 PARAKFD FKAQTLKELPLQKGDV VYIYRQIDQNWYE GEHHGRVGI FPRTYIELLPPAEKAQPRKLAPVQV
 LEYGEAIAKFNFGDTQVEMSF RKGERITLLRQVDENWYEGRIPGTSRQGI FPITYVDVLRPLVKTPVD
 YIDL PYSSSPSRSATVSPQQPQAQRRVTPDRSQPSLDLCSYQALYSYVPQNDDELELRDGDIVDM EKC
 DDGWFVGT SRRTRQFGTFPGNYVKPLYL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

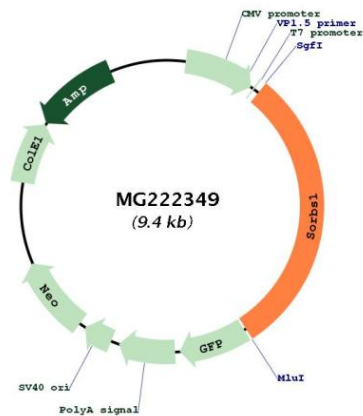


ACCN: NM_178362

ORF Size: 2814 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:	<ol style="list-style-type: none"> 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:	<u>NM_178362.1, NP_848139.1</u>
RefSeq Size:	6320 bp
RefSeq ORF:	2817 bp
Locus ID:	20411
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 MG222349