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Product datasheet for MG222312

Sorbs1 (NM_009166) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sorbs1 (NM_009166) 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)

View online »

ORF Nucleotide Sequence:

>MG222312 representing NM_009166
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTTCTGAATGTGATGTTGGAAGCTCTAAAGCTGTGGTGAATGGCTTGGCATCTGGCAACCATGGAC
CAGACAAAGACATGGACCCTACCAAAATCTGCACTGGGAAAGGAACAGTGACTCTTCGGGCCTCGTCTTC
CTACAGGGGAACCCCAAGCAGCAGCCCTGTGAGCCCCCAGGAATCTCCGAAGCATGAAAGCAAGTCAGAT
GAATGGAAACTTTCTTCCAGTGCAGATACCAATGGCAACGCCCAGCCCTCCCCACTTGCTGCCAAGGGCT
ATAGAAGTGTGCATCCCAGCCTTTCTGCTGACAAGCCCCAGGGCAGTCCTTTACTAAACGAAGTTTCTTC
TTCCCACATTGAAACCGATTCCCAAGACTTCCCTCCAACAAGCAGACCTTCGTCTGCCTACCCCTCCACC
ACCATCGTCAACCCTACCATTGTGCTCCTGCAGCACAATCGAGAGCAGCAAAAGCGACTCAGTAGTCTTT
CAGATCCTGCCTCAGAGAGAAGAGCGGGTGAGCAGGACCCAGTACCAACCCCAGCAGAACTCACTTCGCC
CGGCAGGGCTTCTGAGAGAAGGGCAAAGGATGCTAGCAGACGGGTGGTGAGGAGCACACAGGACCTGAGC
GATGTGTCTACAGATGAAGTGGGCATCCCACTCCGGAATACCGAGCGATCGAAAGACTGGTACAAAACTA
TGTTTAAACAGATCCACAAACTGAACAGAGATGATGATTCTGATGTCCATTCCCCTCGATATTCCTTCTC
TGACGACACAAAGTCTCCCCTTTCTGTGCCTCGCTCAAAAAGTGAGATGAACTACATCGAAGGGGAGAAA
GTGGTTAAGAGGTCCGCCACACTCCCGCTCCCAGCCCGCTCCTCCTCACTCAAGTCCAGCCCGGAAAGAA
ACGACTGGGAGCCCCCAGATAAGAAAGTGGATACGAGAAAATACCGAGCAGAGCCCAAAAGCATTTACGA
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ATTACGTCAGAGCCTCCTGGATATATCTATTCTTCCAACTTCCATGCAGTGAAGAGAGAATCGGACGGGA
CCCCCGGGGGTCTCGCTAGCTTGGAGAATGAGAGGCAGATCTATAAGAGTGTCTTGGAAGGTGGCGACAT
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TACAAGTTTTGGAATATGGAGAAGCCATTGCGAAGTTTAACTTTAATGGAGATACACAAGTAGAAATGTC
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CTGTGGATTACATCGACCTGCCTTATTCTTCTTCCCCAAGTCGCAGTGCCACTGTGAGCCCACAGCAACC
TCAAGCCCAGCAGCGAAGAGTCACCCCAGACAGGAGTCAGCCCTCACTGGATTTGTGTAGCTACCAAGCG
TTATATAGTTATGTGCCACAGAACGATGATGAGTTGGAACTCCGAGATGGAGATATTGTTGATGTCATGG
AAAAATGTGACGATGGATGGTTTGTTGGCACTTCGAGAAGGACGAGGCAGTTTGGTACTTTTCCAGGCAA
CTATGTAAAACCTTTATATCTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

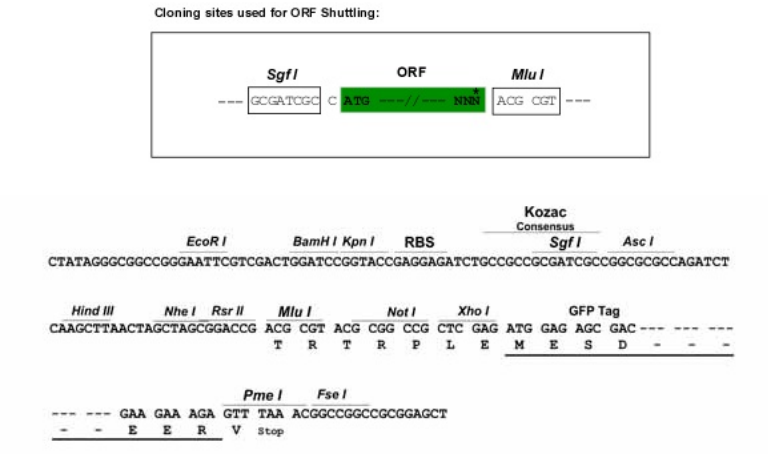
>MG222312 representing NM_009166
Red=Cloning site Green=Tags(s)

MSSECDVGSSKAVVNGLASGNHGPDKDMDPTKICTGKGTVTLRASSSYRGTPSSSPVSPQESPKHESKSD
EWKLSSSADTNGNAQPSPLAAKGYRSVHPSLSADKPQGSPLLNEVSSSHIETDSQDFPPTSRPSSAYPST
TIVNPTIVLLQHNREQQKRLSSLSDPASERRAGEQDPVPTPAELTSPGRASERRAKDASRRVVRSTQDLS
DVSTDEVGIPLRNTERSKDWYKTMFKQIHKLNRDDDSDVHSPRYSFSDDTKSPLSVPRSKSEMNYIEGEK
VVKRSATLPLPARSSSLKSSPERNDWEPPDKKVDTRKYRAEPKSIYEYQPGKSSVLTNEKMSSAVSPTPD
ITSEPPGYIYSSNFHAVKRESDGTPGGLASLENERQIYKSVLEGGDIPLQGLSGLKRPSSSASTKDSESP
RHFIPADYLESTEEFIRRRHDDKEMRPARAKFDFKAQTLKELPLQKGDVVYIYRQIDQNWYEGEHHGRVG
IFPRTYIELLPPAEKAQPRKLAPVQVLEYGEAIAKFNFNGDTQVEMSFRKGERITLLRQVDENWYEGRIP
GTSRQGIFPITYVDVLKRPLVKTPVDYIDLPYSSSPSRSATVSPQQPQAQQRRVTPDRSQPSLDLCSYQA
LYSYVPQNDDELELRDGDIVDVMEKCDDGWFVGTSRRTRQFGTFPGNYVKPLYL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009166

ORF Size: 2052 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_009166.3, NP_033192.2

RefSeq Size: 5471 bp

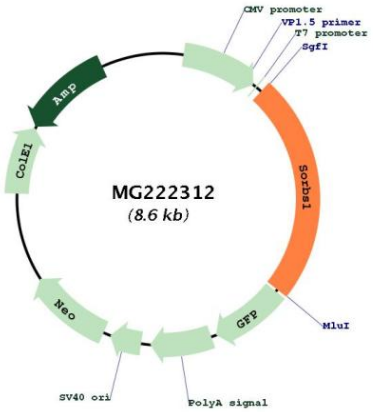
RefSeq ORF: 2055 bp

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 MG222312