

## Product datasheet for **MG201981**

### Sar1b (NM\_025535) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sar1b (NM\_025535) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Sar1b  
**Synonyms:** 2310075M17Rik; 2900019I22Rik; CMRD; Sara1b; Sara2; Sarb  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201981 representing NM\_025535  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCTTCATATTTGACTGGATTTACAGTGGTTTCAGCAGTGTGCTGCAGTTTCTAGGATTGTATAAAA  
AGTCTGGTAACTGGTATTCCTTGGATTGGATAATGCCGGGAAAACAACCTTGTACACATGCTGAAAGA  
TGACAGGCTCGGGCAGCACGTCCAACGCTACATCCCACCTCAGAAGAGCTTACTATTGCTGGCATGACG  
TTTACAACCTTTGATCTGGTGGGCACGTGCAAGCCGAAGAGTATGGAAAACTACCTTCTGCTATCA  
ATGGCATTGTATTTCTTGTGGATTGTGCAGACCATGAAAGGCTGTAGAATCAAAAGAAGAACTTGATTC  
ACTAATGACAGATGAAACCATTGCCAACGTGCCTATTCTAATTCTTGGAAATAAGATCGACAGACCTGAA  
GCCATCAGTGAAGAGAGTTACGAGAGATGTTTGGTTTATATGGTCAGACAACAGGAAAGGGTAGTGTG  
CACTGAAGGAGCTGAACGCCCGCCTCTGGAAGTGTTCATGTGCAGTGTGCTAAAAAGGCAGGGCTATGG  
AGAAGGCTTCCGCTGGATGGCGCAGTACATCGAT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG201981 representing NM\_025535  
Red=Cloning site Green=Tags(s)

MSFIFDWIYSGFSSVLQFLGLYKSGKLVFLGLDNAGKTTLLHMLKDDRLGQHVPTLHPTSEELTIAGMT  
FTTFDLGGHVQARRVWKNYLPAINGI VFLVDCADHERLLESKEELDSLMTDETIANVPILILGNKIDRPE  
AISEERLREMFGLYGQTTGKGSVSLKELNARPLEVFMCSVLKRQGYGEGFRWMAQYID

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**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\\_025535.2](#)

**RefSeq Size:** 1206 bp

**RefSeq ORF:** 597 bp

**Locus ID:** 66397

**UniProt ID:** [Q9CQC9](#)

**Cytogenetics:** 11 B1.3

**Gene Summary:** Involved in transport from the endoplasmic reticulum to the Golgi apparatus. Activated by the guanine nucleotide exchange factor PREB. Involved in the selection of the protein cargo and the assembly of the COPII coat complex.[UniProtKB/Swiss-Prot Function]